NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2018

CONFERENCE REPORT

TO ACCOMPANY

H.R. 2810

NOVEMBER --, 2017.—Ordered to be printed
NATIONAL DEFENSE AUTHORIZATION ACT
FOR FISCAL YEAR 2018

CONFERENCE REPORT
TO ACCOMPANY
H.R. 2810

November --, 2017.—Ordered to be printed

U.S. GOVERNMENT PUBLISHING OFFICE
WASHINGTON: 2017
CONTENTS

CONFERENCE REPORT .................................................................................................................. 000
JOINT EXPLANATORY STATEMENT OF THE COMMITTEE OF CONFERENCE ....................... 000
Compliance with rules of the House of Representatives and Senate regarding earmarks and congressionally directed spending items ................................................................. 000
Summary of discretionary authorizations and budget authority implication ................................................................................................................................. 000
Budgetary effects of this Act (sec. 4) ......................................................................................... 000
DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS .................................................. 000
TITLE I—PROCUREMENT .......................................................................................................... 000
Budget Items ................................................................................................................................. 000
Virginia-class submarine advanced procurement .................................................................. 000
Subtitle A—Authorization of Appropriations ............................................................................ 000
Authorization of appropriations (sec. 101) ................................................................................ 000
Subtitle B—Army Programs ........................................................................................................ 000
Authority to expedite procurement of 7.62mm rifles (sec. 111) ............................................... 000
Limitation on availability of funds for Increment 2 of the Warfighter Information Network-Tactical program (sec. 112) ................................................................. 000
Limitation on availability of funds for upgrade of M113 vehicles (sec. 113) ......................... 000
Subtitle C—Navy Programs ........................................................................................................ 000
Aircraft carriers (sec. 121) ........................................................................................................ 000
Icebreaker vessel (sec. 122) ...................................................................................................... 000
Multiyear procurement authority for Arleigh Burke class destroyers (sec. 123) ...................... 000
Multiyear procurement authority for Virginia class submarine program (sec. 124) .......... 000
Design and construction of the lead ship of the amphibious ship replacement designated LX(R) or amphibious transport dock designated LPD–30 (sec. 125) ......................... 000
Multiyear procurement authority for V–22 Osprey aircraft (sec. 126) .................................... 000
Extension of limitation on use of sole-source shipbuilding contracts for certain vessels (sec. 127) ...................................................................................................................... 000
Limitation on availability of funds for the enhanced multi-mission parachute system (sec. 128) ....................................................................................................................... 000
Report on Navy capacity to increase production of certain rotary wing aircraft (sec. 129) .... 000
Subtitle D—Air Force Programs ................................................................................................. 000
Inventory requirement for Air Force fighter aircraft (sec. 131) ............................................. 000
Prohibition on availability of funds for retirement of E–8 JSTARS aircraft (sec. 132) ........ 000
Requirement for continuation of JSTARS aircraft recapitalization program (sec. 133) .......... 000
Limitation on selection of single contractor for C–130H avionics modernization program increment 2 (sec. 134) ................................................................................................. 000
Limitation on availability of funds for EC–130H Compass Call recapitalization program (sec. 135) ...................................................................................................................... 000
Limitation on retirement of U–2 and RQ–4 aircraft (sec. 136) ................................................ 000
Cost–benefit analysis of upgrades to MQ–9 Reaper aircraft (sec. 137) ................................... 000
Plan for modernization of the radar for F–16 fighter aircraft of the National Guard (sec. 138) .............................................................................................................................. 000
Comptroller General review of Air Force fielding plan for HH–60 replacement programs (sec. 139) ...................................................................................................................... 000
Subtitle E—Defense-Wide, Joint, and Multiservice Matters ....................................................... 000
F–35 economic order quantity contracting authority (sec. 141) .............................................. 000
IV

TITLE I—PROCUREMENT—Continued
Subtitle E—Defense-Wide, Joint, and Multiservice Matters—Continued

Authority for explosive ordnance disposal units to acquire new or
emerging technologies and capabilities (sec. 142) ........................................ 000
Requirement that certain aircraft and unmanned aerial vehicles use
specified standard data link (sec. 143) .......................................................... 000
Reinstatement of requirement to preserve certain C–5 aircraft; mobil-
ity capability and requirements study (sec. 144) ........................................ 000
Legislative Provisions Not Adopted .......................................................... 000
Limitation on availability of funds for Arleigh Burke class destroyer . 000
Extensions of authorities relating to construction of certain vessels .... 000
Streamlining acquisition of intercontinental ballistic missile security
capability ........................................................................................................ 000
Authority to increase primary aircraft authorization of Air Force
and Air National Guard A–10 aircraft units for purposes of facilit-
ating A–10 conversion .................................................................................... 000
Increase in amounts for enhancing intelligence, surveillance, and
reconnaissance capability ........................................................................... 000
Limitation on demilitarization of certain cluster munitions ............... 000
Littoral Combat Ship ................................................................................ 000

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ........ 000
Subtitle A—Authorization of Appropriations .............................................. 000
Authorization of appropriations (sec. 201) ................................................ 000
Subtitle B—Program Requirements, Restrictions, and Limitations ....... 000
Cost controls for presidential aircraft recapitalization program (sec.
211) .............................................................................................................. 000
Capital investment authority (sec. 212) ..................................................... 000
Prizes for advanced technology achievements (sec. 213) ...................... 000
Joint Hypersonics Transition Office (sec. 214) ........................................ 000
Department of Defense directed energy weapon system prototyping
and demonstration program (sec. 215) ....................................................... 000
Appropriate use of authority for prototype projects (sec. 216) ............. 000
Mechanisms for expedited access to technical talent and expertise
at academic institutions to support Department of Defense mis-
sions (sec. 217) ........................................................................................... 000
Modification of laboratory quality enhancement program (sec. 218) ... 000
Reauthorization of Department of Defense Established Program to
Stimulate Competitive Research (sec. 219) ............................................... 000
Codification and enhancement of authorities to provide funds for
defense laboratories for research and development of technologies
for military missions (sec. 220) ................................................................. 000
Expansion of definition of competitive procedures to include competi-
tive selection for award of science and technology proposals (sec.
221) .............................................................................................................. 000
Inclusion of modeling and simulation in test and evaluation activities
for purposes of planning and budget certification (sec. 222) ............... 000
Limitation on availability of funds for F–35 Joint Strike Fighter
Follow-On Modernization (sec. 223) ...................................................... 000
Improvement of update process for populating mission data files
used in advanced combat aircraft (sec. 224) .............................................. 000
Support for national security innovation and entrepreneurial edu-
cation (sec. 225) ....................................................................................... 000
Limitation on cancellation of designation Executive Agent for a cer-
tain Defense Production Act program (sec. 226) ..................................... 000
Subtitle C—Reports and Other Matters ..................................................... 000
Columbia-class program accountability matrices (sec. 231) .................. 000
Review of barriers to innovation in research and engineering activi-
ties of the Department of Defense (sec. 232) ............................................ 000
Pilot program to improve incentives for technology transfer from
Department of Defense laboratories (sec. 233) .......................................... 000
Competitive acquisition plan for low probability of detection data
link networks (sec. 234) ............................................................................ 000
Clarification of selection dates for pilot program for the enhancement
of the research, development, test, and evaluation centers of the
Department of Defense (sec. 235) ............................................................. 000
Requirement for a plan to build a prototype for a new ground combat
vehicle for the Army (sec. 236) .............................................................. 000
TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION—Continued

Subtitle C—Reports and Other Matters—Continued

Plan for successfully fielding the Integrated Air and Missile Defense Battle Command System (sec. 237) ................................................................. 000

Legislative Provisions Not Adopted ................................................................. 000

Codification and enhancement of authorities to provide funds for defense laboratories for research and development of technologies for military missions .................................................................................. 000

Hypersonic airbreathing weapons capabilities ............................................. 000

Limitation on availability of funds for MQ–25 unmanned air system ......................................................................................................................... 000

Differentiation of research and development activities from service activities ............................................................................................................ 000

Limitation on availability of funds for contract writing systems ................. 000

Strategy for use of virtual training technology ............................................. 000

Increase in funding for electronics and electronic devices of the Army ......................................................................................................................... 000

Increase in funding for Historically Black Colleges and Universities and Minority Institutions ......................................................................................... 000

STEM(MM) jobs action plan .......................................................................... 000

Report on optimization of training in and management of special education ........................................................................................................... 000

Jet noise reduction program of the Navy ...................................................... 000

Process for coordination of studies and analysis research of the Department of Defense ........................................................................................................ 000

Very-low profile hardware to interact with the Mobile User Objective Systems and other systems ................................................................. 000

TITLE III—OPERATION AND MAINTENANCE ......................................................... 000

Subtitle A—Authorization of Appropriations ................................................. 000

Authorization of appropriations (sec. 301) ....................................................... 000

Subtie B—Energy and Environment ............................................................... 000

Military Aviation and Installation Assurance Siting Clearinghouse (sec. 311) .................................................................................................................. 000

Energy performance goals and master plan (sec. 312) ................................ 000

Payment to Environmental Protection Agency of stipulated penalty in connection with Umatilla Chemical Depot, Oregon (sec. 313) .......... 000

Payment to Environmental Protection Agency of stipulated penalty in connection with Longhorn Army Ammunition Plant, Texas (sec. 314) ................................................................. 000

Department of the Army cleanup and removal of petroleum, oil, and lubricant associated with the Prinz Eugen (sec. 315) ........................................ 000

Centers for Disease Control study on health implications of perfluoroalkyl substances contamination in drinking water (sec. 316) ......................................................... 000

Sentinel Landscapes Partnership (sec. 317) ..................................................... 000

Report on release of radium or radioactive material into the ground-water near the industrial reserve plant in Bethpage, New York (sec. 318) ......................................................................................... 000

Subtile C—Logistics and Sustainment ............................................................. 000

Reauthorization of multi-trades demonstration project (sec. 321) ............... 000

Increased percentage of sustainment funds authorized for realignment to restoration and modernization at each installation (sec. 322) ......................................................................................... 000

Guidance regarding use of organic industrial base (sec. 323) ........................ 000

Subtile D—Reports ....................................................................................... 000

Quarterly reports on personnel and unit readiness (sec. 331) ....................... 000

Biennial report on core depot-level maintenance and repair capability (sec. 332) .............................................................................................................. 000

Annual report on personnel, training, and equipment needs of non-federalized National Guard (sec. 333) ................................................................. 000

Annual report on military working dogs used by the Department of Defense (sec. 334) ......................................................................................................... 000

Report on effects of climate change on Department of Defense (sec. 335) ......................................................................................... 000

Report on optimization of training in and management of special use airspace (sec. 336) ......................................................................................... 000

Plan for modernized, dedicated Department of the Navy adversary air training enterprise (sec. 337) ................................................................. 000

Updated guidance regarding biennial core report (sec. 338) ....................... 000

Subtitle E—Other Matters ............................................................................. 000
<table>
<thead>
<tr>
<th>VI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TITLE III—OPERATION AND MAINTENANCE—Continued</strong></td>
</tr>
<tr>
<td><strong>Subtitle E—Other Matters—Continued</strong></td>
</tr>
<tr>
<td>Explosive safety board (sec. 341)</td>
</tr>
<tr>
<td>Limitation on availability of funds for advanced skills management software system of the Navy (sec. 343)</td>
</tr>
<tr>
<td>Cost-benefit analysis of uniform specifications for Afghan military or security forces (sec. 344)</td>
</tr>
<tr>
<td>Temporary installation reutilization authority for arsenals, depots, and plants (sec. 345)</td>
</tr>
<tr>
<td>Pilot program for operation and maintenance budget presentation (sec. 347)</td>
</tr>
<tr>
<td>Repurposing and reuse of surplus Army firearms (sec. 348)</td>
</tr>
<tr>
<td>Civilian training for National Guard pilots and sensor operator aircrews of MQ-9 unmanned aerial vehicles (sec. 350)</td>
</tr>
<tr>
<td>Training for National Guard personnel on wildfire response (sec. 351)</td>
</tr>
<tr>
<td>Modification of the Second Division Memorial (sec. 352)</td>
</tr>
<tr>
<td>Prohibition on application of hiring freezes at Department of Defense industrial base facilities</td>
</tr>
<tr>
<td>Annual briefings on Army explosive ordnance disposal</td>
</tr>
<tr>
<td>Report on Arctic readiness</td>
</tr>
<tr>
<td>Report on effects of increased automation of defense industrial base on manufacturing workforce</td>
</tr>
<tr>
<td>Comptroller General review of Department of Defense cost models used in making personnel decisions</td>
</tr>
<tr>
<td>Authority to carry out environmental restoration activities at National Guard and Reserve locations</td>
</tr>
<tr>
<td>Environmental oversight and remediation at Red Hill Bulk Fuel Storage Facility</td>
</tr>
<tr>
<td>Status of compliance with process for communicating availability of surplus ammunition</td>
</tr>
<tr>
<td>Increase in funding for National Guard counter-drug programs</td>
</tr>
<tr>
<td>Facilities demolition plan of the Army</td>
</tr>
<tr>
<td>Funding for environmental restoration, Navy</td>
</tr>
<tr>
<td>Additional funding table matters</td>
</tr>
<tr>
<td>Funding for environmental restoration, Air Force</td>
</tr>
<tr>
<td><strong>TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS</strong></td>
</tr>
<tr>
<td><strong>Subtitle A—Active Forces</strong></td>
</tr>
<tr>
<td>End strengths for active forces (sec. 401)</td>
</tr>
<tr>
<td>Revisions in permanent active duty end strength minimum levels (sec. 402)</td>
</tr>
<tr>
<td><strong>Subtitle B—Reserve Forces</strong></td>
</tr>
<tr>
<td>End strengths for Selected Reserve (sec. 411)</td>
</tr>
<tr>
<td>End strengths for Reserves on active duty in support of the reserves (sec. 412)</td>
</tr>
<tr>
<td>End strengths for military technicians (dual status) (sec. 413)</td>
</tr>
<tr>
<td>Fiscal Year 2018 limitation on number of non-dual status technicians (sec. 414)</td>
</tr>
<tr>
<td>Maximum number of reserve personnel authorized to be on active duty for operational support (sec. 415)</td>
</tr>
<tr>
<td>Number of members of the National Guard on full-time duty in support of the reserves within the National Guard Bureau (sec. 416)</td>
</tr>
<tr>
<td><strong>Subtitle C—Authorization of Appropriations</strong></td>
</tr>
<tr>
<td>Military personnel (sec. 421)</td>
</tr>
<tr>
<td><strong>Subtitle A—Officer Personnel Policy</strong></td>
</tr>
<tr>
<td>Modification of deadline for submittal by officers of written communications to promotion selection boards on matters of importance to their selection (sec. 501)</td>
</tr>
</tbody>
</table>
TITLE V—MILITARY PERSONNEL POLICY—Continued
Subtitle A—Officer Personnel Policy—Continued
Clarification to exception for removal of officers from list of officers
recommended for promotion after 18 months without appointment
(sec. 502) ........................................................................................................... 000
Modification of requirement for specification of number of officers
who may be recommended for early retirement by a Selective Early
Retirement Board (sec. 503) ........................................................................ 000
Extension of service-in-grade waiver authority for voluntary retire-
ment of certain general and flag officers for purposes of enhanced
flexibility in officer personnel management (sec. 504) .......................... 000
Inclusion of Principal Military Deputy to the Assistant Secretary
of the Army for Acquisition, Technology, and Logistics among offi-
cers subject to repeal of statutory specification of general officer
grade (sec. 505) .................................................................................. 000
Clarification of effect of repeal of statutory specification of general
or flag officer grade for various positions in the Armed Forces
(sec. 506) ........................................................................................................... 000
Standardization of authorities in connection with repeal of statutory
specification of general officer grade for the Dean of the Academic
Board of the United States Military Academy and the Dean of
the Faculty of the United States Air Force Academy (sec. 507) ........ 000
Flexibility in promotion of officers to positions of Staff Judge Advo-
cate to the Commandant of the Marine Corps and Deputy Judge
Advocate General of the Navy or Air Force (sec. 508) ........................ 000
Grandfathering of retired grade of Assistant Judge Advocates Gen-
eral of the Navy as of repeal of statutory specification of general
and flag officers grades in the Armed Forces (sec. 509) ..................... 000
Subtitle B—Reserve Component Management .............................................. 000
Equal treatment of orders to serve on active duty under section
12304a and 12304b of title 10, United States Code (sec. 511) ........... 000
Service credit for cyberspace experience or advanced education upon
original appointment as a commissioned officer (sec. 512) ............... 000
Consolidation of authorities to order members of the reserve compo-
nents of the Armed Forces to perform duty (sec. 513) ........................ 000
Pilot program on use of retired senior enlisted members of the Army
National Guard as Army National Guard recruiters (sec. 514) ......... 000
Subtitle C—General Service Authorities ......................................................... 000
PART I—MATTERS RELATING TO DISCHARGE AND CORRECTION OF MILI-
TARY RECORDS ............................................................................................. 000
Consideration of additional medical evidence by boards for the correc-
tion of military records and liberal consideration of evidence relating
to post-traumatic stress disorder or traumatic brain injury
(sec. 520) ........................................................................................................... 000
Public availability of information related to disposition of claims re-
garding discharge or release of members of the Armed Forces when
the claims involve sexual assault (sec. 521) ........................................ 000
Confidential review of characterization of terms of discharge of mem-
bers who are victims of sex-related offenses (sec. 522) .......................... 000
Training requirements for members of boards for the correction of
military records and personnel who investigate claims of retaliation
(sec. 523) ........................................................................................................... 000
Pilot program on use of video teleconferencing technology by boards
for the correction of military records and discharge review boards
(sec. 524) ........................................................................................................... 000
PART II—OTHER GENERAL SERVICE AUTHORITIES ........................................... 000
Modification of basis for extension of period for enlistment in the
Armed Forces under the Delayed Entry Program (sec. 526) ............. 000
Reauthorization of authority to order retired members to active duty
in high-demand, low-density assignments (sec. 527) ....................... 000
Notification of members of the Armed Forces undergoing certain
administrative separations of potential eligibility for veterans bene-
fits (sec. 528) .......................................................................................... 000
Extension of authority of the Secretary of Veterans Affairs to provide
for the conduct of medical disability examinations by contract phy-
sicians (sec. 529) .......................................................................................... 000
<table>
<thead>
<tr>
<th>Subtitle D—Military Justice and Other Legal Issues</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clarifying amendments related to the Uniform Code of Military Justice reform by the</td>
<td>000</td>
</tr>
<tr>
<td>Military Justice Act of 2016 (sec. 531)</td>
<td></td>
</tr>
<tr>
<td>Enhancement of effective prosecution and defense in courts-martial and related matters (sec. 532)</td>
<td>000</td>
</tr>
<tr>
<td>Punitive article under the Uniform Code of Military Justice on wrongful broadcast or distribution of intimate visual images or visual images of sexually explicit conduct (sec. 533)</td>
<td>000</td>
</tr>
<tr>
<td>Garnishment to satisfy judgment rendered for physically, sexually, or emotionally abusing a child (sec. 534)</td>
<td>000</td>
</tr>
<tr>
<td>Sexual assault prevention and response training for all individuals enlisted in the Armed Forces under a delayed entry program (sec. 535)</td>
<td>000</td>
</tr>
<tr>
<td>Special Victims' Counsel training regarding the unique challenges often faced by male victims of sexual assault (sec. 536)</td>
<td>000</td>
</tr>
<tr>
<td>Inclusion of information in annual SAPRO reports regarding military sexual harassment and incidents involving nonconsensual distribution of private sexual images (sec. 537)</td>
<td>000</td>
</tr>
<tr>
<td>Inclusion of information in annual SAPRO reports regarding sexual assaults committed by a member of the Armed Forces against the member's spouse or other family member (sec. 538)</td>
<td>000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subtitle E—Member Education, Training, Resilience, and Transition</th>
<th>000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element in preseparation counseling for members of the Armed Forces on assistance and support services for caregivers of certain veterans through the Department of Veterans Affairs (sec. 541)</td>
<td></td>
</tr>
<tr>
<td>Improved employment assistance for members of the Army, Navy, Air Force, and Marine Corps and veterans (sec. 542)</td>
<td>000</td>
</tr>
<tr>
<td>Limitation on release of military service academy graduates to participate in professional athletics (sec. 543)</td>
<td>000</td>
</tr>
<tr>
<td>Two-year extension of suicide prevention and resilience program for the National Guard and Reserves (sec. 544)</td>
<td>000</td>
</tr>
<tr>
<td>Annual certifications related to Ready, Relevant Learning Initiative of the Navy (sec. 545)</td>
<td>000</td>
</tr>
<tr>
<td>Authority to expand eligibility for the United States Military Apprenticeship Program (sec. 546)</td>
<td>000</td>
</tr>
<tr>
<td>Limitation on availability of funds for attendance of Air Force officer professional military education in-residence courses (sec. 547)</td>
<td>000</td>
</tr>
<tr>
<td>Lieutenant Henry Ossian Flipper Leadership Scholarships (sec. 548)</td>
<td>000</td>
</tr>
<tr>
<td>Pilot programs on appointment in the excepted service in the Department of Defense of physically disqualified former cadets and midshipmen (sec. 549)</td>
<td>000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subtitle F—Defense Dependents' Education and Military Family Readiness Matters</th>
<th>000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assistance to schools with military dependent students (sec. 551)</td>
<td>000</td>
</tr>
<tr>
<td>Transitions of military dependent students from Department of Defense dependent schools to other schools and among schools of local educational agencies (sec. 552)</td>
<td>000</td>
</tr>
<tr>
<td>Report on educational opportunities in science, technology, engineering, and mathematics for children who are dependents of members of the Armed Forces (sec. 553)</td>
<td>000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART II—MILITARY FAMILY READINESS MATTERS</th>
<th>000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Codification of authority to conduct family support programs for immediate family members of members of the Armed Forces assigned to special operations forces (sec. 555)</td>
<td>000</td>
</tr>
<tr>
<td>Reimbursement for State licensure and certification costs of a spouse of a member of the Armed Forces arising from relocation to another State (sec. 556)</td>
<td>000</td>
</tr>
<tr>
<td>Temporary extension of extended period of protections for members of uniformed services relating to mortgages, mortgage foreclosure, and eviction (sec. 557)</td>
<td>000</td>
</tr>
</tbody>
</table>
TITLE V—MILITARY PERSONNEL POLICY—Continued

PART II—MILITARY FAMILY READINESS MATTERS—Continued

Enhancing military childcare programs and activities of the Department of Defense (sec. 558) ......................................................... 000
Direct hire authority for Department of Defense for childcare services providers for Department child development centers (sec. 559) ........ 000
Pilot program on public-private partnerships for telework facilities for military spouses on military installations outside the United States (sec. 560) ........................................................................ 000

Subtitle G—Decorations and Awards ............................................................. 000
Authorization for award of the Medal of Honor to Garlin M. Conner for acts of valor during World War II (sec. 561) ................................. 000
Authorization for award of Distinguished-Service Cross to Specialist Frank M. Crary for acts of valor in Vietnam (sec. 562) ................. 000

Subtitle H—Miscellaneous Reporting Requirements .................................... 000
Analysis and report on accompanied and unaccompanied tours of duty in remote locations with high family support costs (sec. 571) .. 000
Review and reports on policies for regular and reserve officer career management (sec. 572) ................................................................. 000
Review and report on effects of personnel requirements and limitations on the availability of members of the National Guard for the performance of funeral honors duty for veterans (sec. 573) .... 000
Review and report on authorities for the employment, use, and status of National Guard and Reserve technicians (sec. 574) ............ 000
Assessment and report on expanding and contracting for childcare services of the Department of Defense (sec. 575) ................................ 000
Review and report on compensation provided childcare services providers of the Department of Defense (sec. 576) ................................ 000
Comptroller General of the United States assessment and report on the Office of Complex Investigations within the National Guard Bureau (sec. 577) ........................................................................ 000
Modification of submittal date of Comptroller General of the United States report on integrity of the Department of Defense whistle-blower program (sec. 578) .................................................. 000

Subtitle I—Other Matters ................................................................................ 000
Expansion of United States Air Force Institute of Technology enrollment authority to include civilian employees of the homeland security industry (sec. 581) ......................................................... 000
Conditional designation of Explosive Ordnance Disposal Corps as a basic branch of the Army (sec. 582) .................................................... 000
Designation of office within Office of the Secretary of Defense to oversee use of food assistance programs by members of the Armed Forces on active duty (sec. 583) ......................................................... 000

Legislative Provisions Not Adopted ................................................................. 000
Clarification of baselines for authorized numbers of general and flag officers on active duty and in joint duty assignments .................... 000
Authority of promotion boards to recommend officers of particular merit be placed at the top of the promotion list ............................... 000
Direct employment pilot program for members of the National Guard and Reserve ............................................................................. 000
Authority for officers to opt-out of promotion board consideration ...... 000
Inclusion of specific email address block on certificate of release or discharge from active duty (DD Form 214) ................................ 000
Plan to meet demand for cyberspace career fields in the reserve components of the Armed Forces ..................................................... 000
Responsibility of Chiefs of Staff of the Armed Forces for standards and qualifications for military specialties within the Armed Forces 000
Revision to Manual for Courts-Martial with respect to dissemination of visual depictions of private areas or sexually explicit conduct without the consent of the person depicted ................................ 000
Minimum confinement period required for conviction of certain sex-related offenses committed by members of the Armed Forces ....... 000
Information for the Special Victims' Counsel or Victims' Legal Counsel ............................................................................................... 000
Consistent access to Special Victims' Counsel for former dependents of members of the Armed Forces .............................................. 000
Inclusion of additional information in annual SAPRO reports .......... 000
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITLE V—MILITARY PERSONNEL POLICY—Continued</td>
<td></td>
</tr>
<tr>
<td>Legislative Provisions Not Adopted—Continued</td>
<td></td>
</tr>
<tr>
<td>Sexual assault prevention and response</td>
<td>000</td>
</tr>
<tr>
<td>Report on availability of postsecondary credit for skills acquired</td>
<td>000</td>
</tr>
<tr>
<td>during military service</td>
<td></td>
</tr>
<tr>
<td>ROTC Cyber Institutes at the senior military colleges</td>
<td>000</td>
</tr>
<tr>
<td>Program to assist members in obtaining professional credentials</td>
<td>000</td>
</tr>
<tr>
<td>Pilot program on integration of Department of Defense and non-</td>
<td></td>
</tr>
<tr>
<td>Federal efforts for civilian employment of members of the Armed</td>
<td></td>
</tr>
<tr>
<td>Forces following transition from Active Duty to civilian life</td>
<td>000</td>
</tr>
<tr>
<td>Use of assistance under Department of Defense Tuition Assistance</td>
<td>000</td>
</tr>
<tr>
<td>Program for non-traditional education to develop cybersecurity and</td>
<td></td>
</tr>
<tr>
<td>computer coding skills</td>
<td></td>
</tr>
<tr>
<td>Sense of Senate on increasing enrollment in senior reserve officers’</td>
<td>000</td>
</tr>
<tr>
<td>training corps programs at minority-serving institutions</td>
<td></td>
</tr>
<tr>
<td>Education for dependents of certain retired members of the Armed</td>
<td>000</td>
</tr>
<tr>
<td>Forces</td>
<td></td>
</tr>
<tr>
<td>Replacement of military decorations at the request of relatives of</td>
<td>000</td>
</tr>
<tr>
<td>deceased members of the Armed Forces</td>
<td></td>
</tr>
<tr>
<td>Congressional Defense Service Medal</td>
<td>000</td>
</tr>
<tr>
<td>Limitations on authority to revoke certain military decorations</td>
<td>000</td>
</tr>
<tr>
<td>awarded to members of the Armed Forces</td>
<td></td>
</tr>
<tr>
<td>Mechanisms to facilitate the obtaining by military spouses of occupa-</td>
<td>000</td>
</tr>
<tr>
<td>tional licenses or credentials in other states</td>
<td></td>
</tr>
<tr>
<td>Award of Vietnam Service Medal to veterans who participated in</td>
<td>000</td>
</tr>
<tr>
<td>Mayaguez rescue operation</td>
<td></td>
</tr>
<tr>
<td>Award of medals or other commendations to handlers of military</td>
<td>000</td>
</tr>
<tr>
<td>working dogs and military working dogs</td>
<td></td>
</tr>
<tr>
<td>Eligibility of veterans of Operation End Sweep for Vietnam Service</td>
<td>000</td>
</tr>
<tr>
<td>Medal</td>
<td></td>
</tr>
<tr>
<td>Expedited replacement of military decorations for veterans of World</td>
<td>000</td>
</tr>
<tr>
<td>War II and the Korean War</td>
<td></td>
</tr>
<tr>
<td>Atomic Veterans Service Medal</td>
<td>000</td>
</tr>
<tr>
<td>Authority of Secretary of the Army to award the Personnel Protection</td>
<td>000</td>
</tr>
<tr>
<td>Equipment award of the Army to former members of the Army</td>
<td></td>
</tr>
<tr>
<td>Servicemembers’ Group Life Insurance</td>
<td>000</td>
</tr>
<tr>
<td>Voter registration</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress regarding section 504 of title 10, United States</td>
<td></td>
</tr>
<tr>
<td>Code, on existing authority of the Department of Defense to enlist</td>
<td>000</td>
</tr>
<tr>
<td>individuals, not otherwise eligible for enlistment, whose enlistment</td>
<td></td>
</tr>
<tr>
<td>is vital to the national interest</td>
<td></td>
</tr>
<tr>
<td>Sense of Congress regarding nondiscrimination at United States Milit-</td>
<td>000</td>
</tr>
<tr>
<td>ary Academy</td>
<td></td>
</tr>
<tr>
<td>Issuance of consolidated pregnancy and parenthood instruction</td>
<td>000</td>
</tr>
<tr>
<td>Proof of period of military service for purposes of interest rate</td>
<td>000</td>
</tr>
<tr>
<td>limitation under the Servicemembers Civil Relief Act</td>
<td></td>
</tr>
<tr>
<td>Report regarding possible improvements to processing retirements</td>
<td>000</td>
</tr>
<tr>
<td>and medical discharges</td>
<td></td>
</tr>
<tr>
<td>Establishment of separation oath for members of the Armed Forces</td>
<td>000</td>
</tr>
<tr>
<td>Authorization of support for Beyond Yellow Ribbon program</td>
<td>000</td>
</tr>
<tr>
<td>Criminal background checks of employees of the military child care</td>
<td></td>
</tr>
<tr>
<td>system and providers of child care services and youth program</td>
<td></td>
</tr>
<tr>
<td>services for military dependents</td>
<td>000</td>
</tr>
<tr>
<td>Review of TAP for women</td>
<td>000</td>
</tr>
<tr>
<td>Annual report on participation in the Transition Assistance Program</td>
<td>000</td>
</tr>
<tr>
<td>for members of the Armed Forces</td>
<td></td>
</tr>
<tr>
<td>Air Force pilot program on education and training and certification</td>
<td>000</td>
</tr>
<tr>
<td>of secondary and post-secondary students as aircraft technicians</td>
<td></td>
</tr>
<tr>
<td>Pilot program on integration of Department of Defense and non-</td>
<td>000</td>
</tr>
<tr>
<td>Federal efforts for civilian employment of members of the Armed Forces</td>
<td></td>
</tr>
<tr>
<td></td>
<td>000</td>
</tr>
<tr>
<td>TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle A—Pay and Allowances</td>
<td>000</td>
</tr>
<tr>
<td>Annual adjustment of basic monthly pay (sec. 601)</td>
<td>000</td>
</tr>
<tr>
<td>Prohibiting collection of additional amounts from members living</td>
<td>000</td>
</tr>
<tr>
<td>in units under Military Housing Privatization Initiative (sec. 602)</td>
<td></td>
</tr>
</tbody>
</table>
TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS—Continued

Subtitle A—Pay and Allowances—Continued

Limitation on modification of payment authority for Military Housing Privatization Initiative housing (sec. 603) ................................. 000
Housing treatment for certain members of the Armed Forces, and their spouses and other dependents, undergoing a permanent change of station within the United States (sec. 604) ...................... 000
Extension of authority to provide temporary increase in rates of basic allowance for housing under certain circumstances (sec. 605) . 000
Reevaluation of BAH for the military housing area including Staten Island (sec. 606) ................................................................. 000

Subtitle B—Bonus and Special and Incentive Pays ........................................ 000
One-year extension of certain bonus and special pay authorities for reserve forces (sec. 611) ............................................................... 000
One-year extension of certain bonus and special pay authorities for health care professionals (sec. 612) ......................................................... 000
One-year extension of special pay and bonus authorities for nuclear officers (sec. 613) ................................................................. 000
One-year extension of authorities relating to title 37 consolidated special pay, incentive pay, and bonus authorities (sec. 614) ................. 000
One-year extension of authorities relating to payment of other title 37 bonuses and special pays (sec. 615) .................................................... 000
Report regarding the national pilot shortage (sec. 616) ......................... 000
Special aviation incentive pay and bonus authorities for enlisted members who pilot remotely piloted aircraft (sec. 617) .................... 000
Technical and conforming amendments relating to 2008 consolidation of special pay authorities (sec. 618) ................................................. 000

Subtitle C—Disability Pay, Retired Pay, and Survivor Benefits .................. 000
Permanent extension and cost-of-living adjustments of special sur-

vivor indemnity allowances under the Survivor Benefit Plan (sec. 621) ................................................................. 000
Adjustments to the Survivor Benefit Plan for members electing lump sum payments of retired pay under the modernized retirement system for members of the uniformed services (sec. 622) .................. 000
Technical correction regarding election to participate in modernized retirement system for reserve component members experiencing a break in service (sec. 623) ................................................................. 000
Technical corrections to use of member’s current pay grade and years of service in a division of property involving disposable retired pay (sec. 624) ................................................................. 000
Continuation pay for the Coast Guard (sec. 625) ................................... 000

Subtitle D—Other Matters .............................................................................. 000
Land conveyance authority, Army and Air Force Exchange Service property, Dallas, Texas (sec. 631) ......................................................... 000
Authority for the Secretaries of the military departments to provide for care of remains of those who die on active duty and are interred in a foreign cemetery (sec. 632) ......................................................... 000
Construction of domestic source requirement for footwear furnished to enlisted members of the Armed Forces on initial entry into the Armed Forces (sec. 633) ................................................................. 000
Review and update of regulations governing debt collectors inter-

actions with unit commanders of members of the Armed Forces (sec. 634) ................................................................. 000
Legislative Provisions Not Adopted ............................................................... 000
Adjustment to Basic Allowance for Housing at with dependents rate of certain members of the uniformed services ................................. 000
Per diem allowance policies ..................................................................... 000
Modification of authority of President to determine alternative pay adjustment in annual basic pay of members of the uniformed services ................................................................. 000
Application of basic allowance for housing to members of the uniformed services in the Virgin Islands ......................................................... 000
Reimbursement for state licensure and certification costs of a mem-

ber of the Armed Forces arising from separation from the Armed Forces ................................................................................................. 000
TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS—Continued

Legislative Provisions Not Adopted—Continued

Increase in maximum amount of aviation bonus for 12-month period of obligated service ................................................................. 000
Report regarding management of military commissaries and exchanges .................................................................................. 000
Promotion of financial literacy concerning retirement among members of the Armed Forces ....................................................... 000
Inclusion of Department of Agriculture in Transition Assistance Program .................................................................................. 000
Report on use of second-destination transportation to transport fresh fruit and vegetables to commissaries in the Asia-Pacific region ...... 000
Sense of Senate on the use by exchange stores of small businesses as suppliers ........................................................................ 000
Element in next quadrennial review of military compensation on value assigned by members of the Armed Forces to various aspects of military compensation ................................................................. 000

TITLE VII—HEALTH CARE PROVISIONS ......................................................... 000

Subtitle A—TRICARE and Other Health Care Benefits .............................. 000
Continued access to medical care at facilities of the uniformed services for certain members of the reserve components (sec. 701) ........ 000
Modifications of cost-sharing requirements for the TRICARE Pharmacy Benefits Program and treatment of certain pharmaceutical agents (sec. 702) ................................................................................. 000
Provision of hyperbaric oxygen therapy for certain members of the Armed Forces (sec. 703) ............................................................... 000
Specification that individuals under the age of 21 are eligible for hospice care services under the TRICARE program (sec. 704) .......... 000
Physical examinations for members of a reserve component who are separating from the Armed Forces (sec. 705) ............................. 000
Mental health assessments before members separate from the Armed Forces (sec. 706) ................................................................. 000
Expansion of sexual trauma counseling and treatment for members of the reserve components (sec. 707) .................................................. 000
Expedited evaluation and treatment for prenatal surgery under the TRICARE program (sec. 708) ................................................................. 000

Subtitle B—Health Care Administration ....................................................... 000
Maintenance of inpatient capabilities of military medical treatment facilities located outside the United States (sec. 711) ................. 000
Modification of priority for evaluation and treatment of individuals at military treatment facilities (sec. 712) ................................. 000
Clarification of administration of military medical treatment facilities (sec. 713) ................................................................. 000
Regular update of prescription drug pricing standard under TRICARE retail pharmacy program (sec. 714) ......................................................... 000
Modification of execution of TRICARE contracting responsibilities (sec. 715) ................................................................. 000
Additional emergency uses for medical products to reduce deaths and severity of injuries caused by agents of war (sec. 716) ............ 000
Modification of determination of average wait times at urgent care clinics and pharmacies at military medical treatment facilities under pilot program (sec. 717) ................................................................. 000
Requirement for reimbursement by Department of Defense to entities carrying out State vaccination programs for costs of vaccines provided to covered beneficiaries (sec. 718) ................................................................. 000
Extension of authority for Joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund (sec. 719) ......................................................................................................................... 000
Residency requirements for podiatrists (sec. 720) ................................... 000
Authorization of physical therapist assistants and occupational therapy assistants to provide services under the TRICARE program (sec. 721) ......................................................................................................................... 000
Selection of military commanders and directors of military medical treatment facilities (sec. 722) ................................................................. 000

Subtitle C—Reports and Other Matters ......................................................... 000
Pilot program on health care assistance system (sec. 781) ................. 000
### TITLE VII—HEALTH CARE PROVISIONS—Continued

**Subtitle C—Reports and Other Matters—Continued**

<table>
<thead>
<tr>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feasibility study on conduct of pilot program on mental health readiness of part-time members of the reserve components of the Armed Forces (sec. 732)</td>
<td>000</td>
</tr>
<tr>
<td>Report on plan to improve pediatric care and related services for children of members of the Armed Forces (sec. 733)</td>
<td>000</td>
</tr>
<tr>
<td>Longitudinal medical study on blast pressure exposure of members of the Armed Forces (sec. 734)</td>
<td>000</td>
</tr>
<tr>
<td>Study on safe opioid prescribing practices (sec. 735)</td>
<td>000</td>
</tr>
<tr>
<td>Report on implementation of GAO recommendations (sec. 736)</td>
<td>000</td>
</tr>
<tr>
<td>Declassification by Department of Defense of certain incidents of exposure of members of the Armed Forces to toxic substances (sec. 737)</td>
<td>000</td>
</tr>
<tr>
<td>Coordination by Veterans Health Administration of efforts to understand effects of burn pits (sec. 738)</td>
<td>000</td>
</tr>
<tr>
<td>TRICARE technical amendments (sec. 739)</td>
<td>000</td>
</tr>
<tr>
<td>Legislative Provisions Not Adopted</td>
<td>000</td>
</tr>
<tr>
<td>TRICARE Advantage demonstration program</td>
<td>000</td>
</tr>
<tr>
<td>Modification of eligibility for TRICARE Reserve Select and TRICARE Retired Reserve of certain members of the reserve components</td>
<td>000</td>
</tr>
<tr>
<td>Mental health assessments for members of the Armed Forces deployed in support of a contingency operation</td>
<td>000</td>
</tr>
<tr>
<td>Counseling and treatment for substance use disorders and chronic pain management services for members who separate from the Armed Forces</td>
<td>000</td>
</tr>
<tr>
<td>Consolidation of cost-sharing requirements under TRICARE Select and TRICARE Prime</td>
<td>000</td>
</tr>
<tr>
<td>Contraception coverage parity under the TRICARE program</td>
<td>000</td>
</tr>
<tr>
<td>Training requirement for health care professionals prescribing opioids for treatment of pain in the Armed Forces</td>
<td>000</td>
</tr>
<tr>
<td>One-year extension of pilot program for prescription drug acquisition cost parity in the TRICARE pharmacy benefits program</td>
<td>000</td>
</tr>
<tr>
<td>Research of chronic traumatic encephalopathy</td>
<td>000</td>
</tr>
<tr>
<td>Prohibition on availability of funds for termination of Vets4Warriors crisis hotline program</td>
<td>000</td>
</tr>
<tr>
<td>Pilot program on establishment of integrated health care delivery systems</td>
<td>000</td>
</tr>
<tr>
<td>Authorization of intergovernmental agreements for the provision of health screenings</td>
<td>000</td>
</tr>
<tr>
<td>Tick-borne diseases</td>
<td>000</td>
</tr>
<tr>
<td>Report</td>
<td>000</td>
</tr>
<tr>
<td>Provision of support by Department of Defense to Department of Veterans Affairs regarding electronic health record system</td>
<td>000</td>
</tr>
<tr>
<td>Increased collaboration with NIH to combat triple negative breast cancer</td>
<td>000</td>
</tr>
<tr>
<td>Encouraging transition of military medical professionals into employment with Veterans Health Administration</td>
<td>000</td>
</tr>
<tr>
<td>Prohibition on conduct of certain medical research and development projects</td>
<td>000</td>
</tr>
<tr>
<td>Inclusion of gambling disorder in health assessments and related research efforts of the Department of Defense</td>
<td>000</td>
</tr>
</tbody>
</table>

### TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS

**Subtitle A—Acquisition Policy and Management**

<table>
<thead>
<tr>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management of intellectual property matters within the Department of Defense (sec. 802)</td>
<td>000</td>
</tr>
<tr>
<td>Performance of incurred cost audits (sec. 803)</td>
<td>000</td>
</tr>
<tr>
<td>Repeal of certain auditing requirements (sec. 804)</td>
<td>000</td>
</tr>
<tr>
<td>Increased simplified acquisition threshold (sec. 805)</td>
<td>000</td>
</tr>
<tr>
<td>Requirements related to the micro-purchase threshold (sec. 806)</td>
<td>000</td>
</tr>
<tr>
<td>Process for enhanced supply chain scrutiny (sec. 807)</td>
<td>000</td>
</tr>
<tr>
<td>Defense policy advisory committee on technology (sec. 808)</td>
<td>000</td>
</tr>
</tbody>
</table>
TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS—Continued

Subtitle A—Acquisition Policy and Management—Continued
  Report on extension of development, acquisition, and sustainment authorities of the military departments to the United States Special Operations Command (sec. 809) ......................................................... 000
  Technical and conforming amendments related to program management provisions (sec. 810) ................................................................. 000

Subtitle B—Amendments to General Contracting Authorities, Procedures, and Limitations ............................................................................................................... 000
  Modifications to cost or pricing data and reporting requirements (sec. 811) ................................................................. 000
  Applicability of cost and pricing data certification requirements (sec. 812) ................................................................. 000
  Sunset of certain provisions relating to the procurement of goods other than United States goods (sec. 813) ................................................................. 000
  Comptroller General report on health and safety records (sec. 814) ................................................................. 000
  Limitation on unilateral definitization (sec. 815) ............................................................................................................... 000
  Amendment to sustainment reviews (sec. 816) ............................................................................................................... 000
  Use of program income by eligible entities that carry out procurement technical assistance programs (sec. 817) ............................................................................................................... 000
  Enhanced post-award debriefing rights (sec. 818) ............................................................................................................... 000
  Amendments relating to information technology (sec. 819) ............................................................................................................... 000
  Change to definition of subcontract in certain circumstances (sec. 820) ................................................................. 000
  Amendment relating to applicability of inflation adjustments (sec. 821) ................................................................. 000
  Use of lowest price technically acceptable source selection process (sec. 822) ................................................................. 000
  Exemption from design-build selection procedures (sec. 823) ............................................................................................................... 000
  Contract closeout authority (sec. 824) ............................................................................................................... 000
  Elimination of cost underruns as factor in calculation of penalties for cost overruns (sec. 825) ............................................................................................................... 000
  Modification to annual meeting requirement of Configuration Steering Boards (sec. 826) ................................................................. 000
  Pilot program on payment of costs for denied Government Accountability Office bid protests (sec. 827) ................................................................. 000

Subtitle C—Provisions Relating to Major Defense Acquisition Programs ............................................................................................................... 000
  Revisions to definition of major defense acquisition program (sec. 831) ............................................................................................................... 000
  Prohibition on use of lowest price technically acceptable source selection process for major defense acquisition programs (sec. 832) ................................................................. 000
  Role of the Chief of the armed force in material development decision and acquisition system milestones (sec. 833) ............................................................................................................... 000
  Requirement to emphasize reliability and maintainability in weapon system design (sec. 834) ............................................................................................................... 000
  Licensing of appropriate intellectual property to support major weapon systems (sec. 835) ............................................................................................................... 000
  Codification of requirements pertaining to assessment, management, and control of operating and support costs for major weapon systems (sec. 836) ............................................................................................................... 000
  Should-cost management (sec. 837) ............................................................................................................... 000
  Improvements to test and evaluation processes and tools (sec. 838) ............................................................................................................... 000
  Enhancements to transparency in test and evaluation processes and data (sec. 839) ............................................................................................................... 000

Subtitle D—Provisions Relating to Acquisition Workforce ............................................................................................................... 000
  Enhancements to the civilian program management workforce (sec. 841) ............................................................................................................... 000
  Credits to Department of Defense Acquisition Workforce Development Fund (sec. 842) ............................................................................................................... 000
  Improvements to the hiring and training of the acquisition workforce (sec. 843) ............................................................................................................... 000
  Extension and modifications to acquisition demonstration project (sec. 844) ............................................................................................................... 000

Subtitle E—Provisions Relating to Commercial Items ............................................................................................................... 000
  Procurement through commercial e-commerce portals (sec. 846) ............................................................................................................... 000
  Revision to definition of commercial item (sec. 847) ............................................................................................................... 000
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtitle E—Provisions Relating to Commercial Items—Continued</td>
<td>000</td>
</tr>
<tr>
<td>Commercial item determinations (sec. 848)</td>
<td>000</td>
</tr>
<tr>
<td>Review of regulations on commercial items (sec. 849)</td>
<td>000</td>
</tr>
<tr>
<td>Training in commercial items procurement (sec. 850)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle F—Provisions Relating to Services Contracting</td>
<td>000</td>
</tr>
<tr>
<td>Improvement of planning for acquisition of services (sec. 851)</td>
<td>000</td>
</tr>
<tr>
<td>Standard guidelines for evaluation of requirements for services contracts (sec. 852)</td>
<td>000</td>
</tr>
<tr>
<td>Report on outcome-based services contracts (sec. 853)</td>
<td>000</td>
</tr>
<tr>
<td>Pilot program for longer term multiyear service contracts (sec. 854)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle G—Provisions Relating to Other Transaction Authority and Prototyping</td>
<td>000</td>
</tr>
<tr>
<td>Contract authority for advanced development of initial or additional prototype units (sec. 861)</td>
<td>000</td>
</tr>
<tr>
<td>Methods for entering into research agreements (sec. 862)</td>
<td>000</td>
</tr>
<tr>
<td>Education and training for transactions other than contracts and grants (sec. 863)</td>
<td>000</td>
</tr>
<tr>
<td>Other transaction authority for certain prototype projects (sec. 864)</td>
<td>000</td>
</tr>
<tr>
<td>Amendment to nontraditional and small contractor innovation prototyping program (sec. 865)</td>
<td>000</td>
</tr>
<tr>
<td>Middle tier of acquisition for rapid prototype and rapid fielding (sec. 866)</td>
<td>000</td>
</tr>
<tr>
<td>Preference for use of other transactions and experimental authority (sec. 867)</td>
<td>000</td>
</tr>
<tr>
<td>Prototype projects to digitize defense acquisition regulations, policies, and guidance, and empower user tailoring of acquisition process (sec. 868)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle H—Provisions Relating to Software Acquisition</td>
<td>000</td>
</tr>
<tr>
<td>Noncommercial computer software acquisition considerations (sec. 871)</td>
<td>000</td>
</tr>
<tr>
<td>Defense Innovation Board analysis of software acquisition regulations (sec. 872)</td>
<td>000</td>
</tr>
<tr>
<td>Pilot program to use agile or iterative development methods to tailor major software-intensive warfighting systems and defense business systems (sec. 873)</td>
<td>000</td>
</tr>
<tr>
<td>Software development pilot program using agile best practices (sec. 874)</td>
<td>000</td>
</tr>
<tr>
<td>Pilot program for open source software (sec. 875)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle I—Other Matters</td>
<td>000</td>
</tr>
<tr>
<td>Extension of maximum duration of fuel storage contracts (sec. 881)</td>
<td>000</td>
</tr>
<tr>
<td>Procurement of aviation critical safety items (sec. 882)</td>
<td>000</td>
</tr>
<tr>
<td>Modifications to the advisory panel on streamlining and codifying acquisition regulations (sec. 883)</td>
<td>000</td>
</tr>
<tr>
<td>Repeal of expired pilot program for leasing commercial utility cargo vehicles (sec. 884)</td>
<td>000</td>
</tr>
<tr>
<td>Exception for business operations from requirement to accept $1 coins (sec. 885)</td>
<td>000</td>
</tr>
<tr>
<td>Development of Procurement Administrative Lead Time (sec. 886)</td>
<td>000</td>
</tr>
<tr>
<td>Notional milestones and standard timelines for contracts for foreign military sales (sec. 887)</td>
<td>000</td>
</tr>
<tr>
<td>Assessment and authority to terminate or prohibit contracts for procurement from Chinese companies providing support to the Democratic People’s Republic of Korea (sec. 888)</td>
<td>000</td>
</tr>
<tr>
<td>Report on defense contracting fraud (sec. 889)</td>
<td>000</td>
</tr>
<tr>
<td>Comptroller General report on contractor business system requirements (sec. 890)</td>
<td>000</td>
</tr>
<tr>
<td>Training on agile or iterative development methods (sec. 891)</td>
<td>000</td>
</tr>
<tr>
<td>Legislative Provisions Not Adopted</td>
<td>000</td>
</tr>
<tr>
<td>Repeal of temporary suspension of public-private competitions for conversion of Department of Defense functions to performance by contractors</td>
<td>000</td>
</tr>
<tr>
<td>Ensuring transparency in acquisition programs</td>
<td>000</td>
</tr>
<tr>
<td>Waiver authority for purposes of expanding competition</td>
<td>000</td>
</tr>
<tr>
<td>Treatment of independent research and development costs on certain contracts</td>
<td>000</td>
</tr>
</tbody>
</table>
TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS—Continued

Legislative Provisions Not Adopted—Continued

Nontraditional contractor definition ........................................................... 000
Repeal of domestic source restriction related to wearable electronics ........ 000
Identification of commercial services ........................................................... 000
Acquisition positions in the Offices of the Secretaries of the Military Departments ........................................................... 000
Restriction on use of reverse auctions and lowest price technically acceptable contracting methods for safety equipment ......................... 000
Department of Defense promotion of contractor compliance with existing law ........................................................... 000
Major defense acquisition programs: display of budget information ......... 000
Modification to definition of commercial items .......................................... 000
Preference for acquisition of commercial items .......................................... 000
Exemption of certain contracts from inflation adjustments ....................... 000
Procurement exception relating to agreements with foreign governments ........................................................... 000
Enhancing program licensing ................................................................. 000
Temporary limitation on aggregate annual amount available for contract services ........................................................... 000
Sense of Congress regarding steel produced in the United States .......... 000
Improved transparency and oversight over Department of Defense research, development, test, and evaluation efforts and procurement activities related to medical research ........................................................... 000
Rights in technical data related to medical research .................................. 000
Oversight, audit, and certification from the Defense Contract Audit Agency for procurement activities related to medical research ............. 000
Pilot program for adoption of acquisition strategy for Defense Base Act insurance ........................................................... 000
Annual report on limitation of subcontractor intellectual property rights ........................................................... 000
Comptroller General of the United States report on Department of Defense critical telecommunications equipment or services obtained from suppliers closely linked to a leading cyber-threat actor ................. 000
Sense of Congress on the small turbine engine industrial base ............... 000
Modification to the HUBZone program .................................................... 000

TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

Subtitle A—Office of the Secretary of Defense and Related Matters ........ 000
Treatmet of incumbent Under Secretary of Defense for Acquisition, Technology, and Logistics (sec. 901) ........................................................... 000
Clarification of authority of Under Secretary of Defense for Acquisition and Sustainment with respect to service acquisition programs for which the service acquisition executive is the milestone decision authority (sec. 902) ........................................................... 000
Executive Schedule matters relating to Under Secretary of Defense for Acquisition and Sustainment (sec. 903) ........................................................... 000
Consistent period of relief from active duty as a commissioned officer of a regular component of the Armed Forces for appointment to Under Secretary of Defense positions (sec. 904) ........................................................... 000
Qualifications for appointment and additional duties and powers of certain officials within the Office of the Under Secretary of Defense (Comptroller) (sec. 905) ........................................................... 000
Redesignation of Principal Deputy Under Secretaries of Defense as Deputy Under Secretaries of Defense and related matters (sec. 906) ........................................................... 000
Reduction of number and elimination of specific designations of Assistant Secretaries of Defense (sec. 907) ........................................................... 000
Limitation on maximum number of Deputy Assistant Secretaries of Defense (sec. 908) ........................................................... 000
Appointment and responsibilities of Chief Information Officer of the Department of Defense (sec. 909) ........................................................... 000
Chief Management Officer of the Department of Defense (sec. 910) ........ 000
Subtitle B—Data Management and Analytics .............................................. 000
TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT—Continued

Subtitle B—Data Management and Analytics—Continued

Policy on treatment of defense business system data related to business operations and management (sec. 911) 000
Transparency of defense management data (sec. 912) 000
Establishment of set of activities that use data analysis, measurement, and other evaluation-related methods to improve acquisition program outcomes (sec. 913) 000

Subtitle C—Organization of Other Department of Defense Offices and Elements

Manner of carrying out reductions in major Department of Defense headquarters activities pursuant to headquarters reduction plan (sec. 922) 000
Certifications on cost savings achieved by reductions in major Department of Defense headquarters activities (sec. 923) 000
Corrosion control and prevention executives matters (sec. 924) 000

Subtitle D—Miscellaneous Reporting Requirements

Additional elements in reports on policy, organization, and management goals of the Secretary of Defense for the Department of Defense (sec. 931) 000
Report and sense of Congress on responsibility for developmental test and evaluation within the Office of the Secretary of Defense (sec. 932) 000
Report on Office of Corrosion Policy and Oversight (sec. 933) 000

Subtitle E—Other Matters

Commission on the National Defense Strategy for the United States (sec. 941) 000
Legislative Provisions Not Adopted 000
Responsibility of the Chief Information Officer of the Department of Defense for risk management activities regarding supply chain for information technology systems 000
Redesignation of Under Secretary of Defense for Personnel and Readiness as Under Secretary of Defense for Personnel and Health 000
Redesignation of the Department of the Navy as the Department of the Navy and Marine Corps 000
Conforming amendments to title 10, United States Code 000
Modification of definition of OSD personnel for purposes of limitation on number of Office of Secretary of Defense personnel 000
Other provisions of law and other references 000
Effective date 000
Reduction in authorized number of Assistant Secretaries of the military departments 000
Briefing on force management level policy 000
Sense of Congress on cooperative program for information security education 000
Completion of Department of Defense Directive 2010.07E regarding missing persons 000
Reduction in limitation of number of Department of Defense SES positions 000
Transfer of lead of Guam Oversight Council from the Deputy Secretary of Defense to the Secretary of the Navy 000
Requirement for National Language Service Corps 000

TITLE X—GENERAL PROVISIONS

Subtitle A—Financial Matters 000
General transfer authority (sec. 1001) 000
Consolidation, codification and improvement of certain authorities and requirements in connection with the audit of the financial statements of the Department of Defense (sec. 1002) 000
Improper payment matters (sec. 1003) 000
Rankings of audibility of financial statements of the organizations and elements of the Department of Defense (sec. 1004) 000
<table>
<thead>
<tr>
<th>Subtitle A—Financial Matters—Continued</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial operations dashboard for the Department of Defense (sec. 1005)</td>
<td>000</td>
</tr>
<tr>
<td>Review and recommendations on efforts to obtain audit opinion on full financial statements (sec. 1006)</td>
<td>000</td>
</tr>
<tr>
<td>Notification requirement for certain contracts for audit services (sec. 1007)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle B—Counterdrug Activities</td>
<td>000</td>
</tr>
<tr>
<td>Extension of authority to support a unified counterdrug and counterterrorism campaign in Colombia (sec. 1011)</td>
<td>000</td>
</tr>
<tr>
<td>Venue for prosecution of maritime drug trafficking (sec. 1012)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle C—Naval Vessels and Shipyards</td>
<td>000</td>
</tr>
<tr>
<td>National Defense Sealift Fund (sec. 1021)</td>
<td>000</td>
</tr>
<tr>
<td>Use of National Sea-Based Deterrence Fund for multiyear procurement of certain critical components (sec. 1022)</td>
<td>000</td>
</tr>
<tr>
<td>Operational readiness of littoral combat ships on extended deployment (sec. 1023)</td>
<td>000</td>
</tr>
<tr>
<td>Availability of funds for retirement or inactivation of Ticonderoga-class cruisers or dock landing ships (sec. 1024)</td>
<td>000</td>
</tr>
<tr>
<td>Policy of the United States on minimum number of battle force ships (sec. 1025)</td>
<td>000</td>
</tr>
<tr>
<td>Surveying ships (sec. 1026)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle D—Counterterrorism</td>
<td>000</td>
</tr>
<tr>
<td>Modification of authority on support of special operations to combat terrorism (sec. 1031)</td>
<td>000</td>
</tr>
<tr>
<td>Termination of requirement to submit annual budget justification display for Department of Defense combating terrorism program (sec. 1032)</td>
<td>000</td>
</tr>
<tr>
<td>Prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to the United States (sec. 1033)</td>
<td>000</td>
</tr>
<tr>
<td>Prohibition on use of funds to construct or modify facilities in the United States to house detainees transferred from United States Naval Station, Guantanamo Bay, Cuba (sec. 1034)</td>
<td>000</td>
</tr>
<tr>
<td>Prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to certain countries (sec. 1035)</td>
<td>000</td>
</tr>
<tr>
<td>Prohibition on use of funds to close or relinquish control of United States Naval Station, Guantanamo Bay, Cuba (sec. 1036)</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress regarding providing for timely victim and family testimony in military commission trials (sec. 1037)</td>
<td>000</td>
</tr>
<tr>
<td>Report on public availability of military commissions proceedings (sec. 1038)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle E—Miscellaneous Authorities and Limitations</td>
<td>000</td>
</tr>
<tr>
<td>Limitation on expenditure of funds for emergency and extraordinary expenses for intelligence and counterintelligence activities (sec. 1041)</td>
<td>000</td>
</tr>
<tr>
<td>Matters relating to the submittal of future-years defense programs (sec. 1042)</td>
<td>000</td>
</tr>
<tr>
<td>Modifications to humanitarian demining assistance authorities (sec. 1043)</td>
<td>000</td>
</tr>
<tr>
<td>Prohibition on charge of certain tariffs on aircraft traveling through channel routes (sec. 1044)</td>
<td>000</td>
</tr>
<tr>
<td>Prohibition on lobbying activities with respect to the Department of Defense by certain officers of the Armed Forces and civilian employees of the Department within two years of separation from military service or employment with the Department (sec. 1045)</td>
<td>000</td>
</tr>
<tr>
<td>Prohibition on use of funds for retirement of legacy maritime mine countermeasures platforms (sec. 1046)</td>
<td>000</td>
</tr>
<tr>
<td>Report on western Pacific Ocean ship depot maintenance capability and capacity (sec. 1047)</td>
<td>000</td>
</tr>
<tr>
<td>Annual training regarding the influence campaign of the Russian Federation (sec. 1048)</td>
<td>000</td>
</tr>
<tr>
<td>Workforce issues for military realignments in the Pacific (sec. 1049)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle F—Studies and Reports</td>
<td>000</td>
</tr>
</tbody>
</table>
### TITLE X—GENERAL PROVISIONS—Continued

#### Subtitle F—Studies and Reports—Continued

<table>
<thead>
<tr>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elimination of reporting requirements terminated after November 25, 2017, pursuant to section 1090 of the National Defense Authorization Act for Fiscal Year 2016 (sec. 1051)</td>
<td>000</td>
</tr>
<tr>
<td>Report on transfer of defense articles to units committing gross violations of human rights (sec. 1052)</td>
<td>000</td>
</tr>
<tr>
<td>Report on the National Biodefense Analysis and Countermeasures Center (sec. 1053)</td>
<td>000</td>
</tr>
<tr>
<td>Report on Department of Defense Arctic capability and resource gaps and required infrastructure (sec. 1054)</td>
<td>000</td>
</tr>
<tr>
<td>Review and assessment of Department of Defense personnel recovery and nonconventional assisted recovery mechanisms (sec. 1055)</td>
<td>000</td>
</tr>
<tr>
<td>Mine warfare readiness inspection plan and report (sec. 1056)</td>
<td>000</td>
</tr>
<tr>
<td>Annual report on civilian casualties in connection with United States military operations (sec. 1057)</td>
<td>000</td>
</tr>
<tr>
<td>Report on Joint Pacific Alaska Range Complex modernization (sec. 1058)</td>
<td>000</td>
</tr>
<tr>
<td>Report on alternatives to aqueous film forming foam (sec. 1059)</td>
<td>000</td>
</tr>
<tr>
<td>Assessment of global force posture (sec. 1060)</td>
<td>000</td>
</tr>
<tr>
<td>Army modernization strategy (sec. 1061)</td>
<td>000</td>
</tr>
<tr>
<td>Report on Army plan to improve operational unit readiness by reducing number of non-deployable soldiers assigned to operational units (sec. 1062)</td>
<td>000</td>
</tr>
<tr>
<td>Efforts to combat physiological episodes on certain Navy aircraft (sec. 1063)</td>
<td>000</td>
</tr>
<tr>
<td>Studies on aircraft inventories for the Air Force (sec. 1064)</td>
<td>000</td>
</tr>
<tr>
<td>Department of Defense review of Navy capabilities in the Arctic region (sec. 1065)</td>
<td>000</td>
</tr>
<tr>
<td>Comprehensive review of maritime intelligence, surveillance, reconnaissance, and targeting capabilities (sec. 1066)</td>
<td>000</td>
</tr>
<tr>
<td>Report on the need for a Joint Chemical-Biological Defense Logistics Center (sec. 1067)</td>
<td>000</td>
</tr>
<tr>
<td>Missile Technology Control Regime Category I unmanned aerial vehicle systems (sec. 1068)</td>
<td>000</td>
</tr>
<tr>
<td>Recommendations for interagency vetting of foreign investments affecting national security (sec. 1069)</td>
<td>000</td>
</tr>
<tr>
<td>Briefing on prior attempted Russian cyber attacks against defense systems (sec. 1070)</td>
<td>000</td>
</tr>
<tr>
<td>Enhanced analytical and monitoring capability of the defense industrial base (sec. 1071)</td>
<td>000</td>
</tr>
<tr>
<td>Report on defense of combat logistics and strategic mobility forces (sec. 1072)</td>
<td>000</td>
</tr>
<tr>
<td>Report on acquisition strategy to recapitalize the existing inventory for undersea fixed surveillance (sec. 1073)</td>
<td>000</td>
</tr>
<tr>
<td>Report on implementation of requirements in connection with the organization of the Department of Defense for management of special operations forces and special operations (sec. 1074)</td>
<td>000</td>
</tr>
<tr>
<td>Report on the global food system and vulnerabilities relevant to Department of Defense missions (sec. 1075)</td>
<td>000</td>
</tr>
<tr>
<td>Modernizing Government Technology Act (secs. 1076–1078)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle H—Other Matters</td>
<td>000</td>
</tr>
<tr>
<td>Technical, conforming, and clerical amendments (sec. 1081)</td>
<td>000</td>
</tr>
<tr>
<td>Clarification of applicability of certain provisions of law to civilian judges of the United States Court of Military Commission Review (sec. 1082)</td>
<td>000</td>
</tr>
<tr>
<td>Modification of requirement relating to conversation of certain military technician (dual status) positions to civilian positions (sec. 1083)</td>
<td>000</td>
</tr>
<tr>
<td>National Guard accessibility to Department of Defense issued unmanned aircraft (sec. 1084)</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress regarding aircraft carriers (sec. 1085)</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress recognizing the United States Navy Seabees (sec. 1086)</td>
<td>000</td>
</tr>
<tr>
<td>Construction of memorial to the crew of the Apollo I launch test accident at Arlington National Cemetery (sec. 1087)</td>
<td>000</td>
</tr>
<tr>
<td>Title</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
</tr>
<tr>
<td>TITLE X—GENERAL PROVISIONS—Continued</td>
<td>Department of Defense engagement with covered non-Federal entities (sec. 1088)</td>
</tr>
<tr>
<td></td>
<td>Prize competition to identify root cause of physiological episodes on Navy, Marine Corps and Air Force training and operational aircraft (sec. 1089)</td>
</tr>
<tr>
<td></td>
<td>Providing assistance to House of Representatives in response to cybersecurity events (sec. 1090)</td>
</tr>
<tr>
<td></td>
<td>Transfer of surplus firearms to Corporation for the Promotion of Rifle Practice and Firearms Safety (sec. 1091)</td>
</tr>
<tr>
<td></td>
<td>Collaboration between Federal Aviation Administration and Department of Defense on unmanned aircraft systems (sec. 1092)</td>
</tr>
<tr>
<td></td>
<td>Carriage of certain programming (sec. 1093)</td>
</tr>
<tr>
<td></td>
<td>National strategy for countering violent extremism (sec. 1094)</td>
</tr>
<tr>
<td></td>
<td>Sense of Congress regarding World War I (sec. 1095)</td>
</tr>
<tr>
<td></td>
<td>Notice to Congress of terms of Department of Defense settlement agreements (sec. 1096)</td>
</tr>
<tr>
<td></td>
<td>Office of Special Counsel reauthorization (sec. 1097)</td>
</tr>
<tr>
<td></td>
<td>Calculations for payments into Department of Defense Military Retirement Fund using single level percentage of basic pay determined on Armed Force-wide rather than Armed Forces-wide basis</td>
</tr>
<tr>
<td></td>
<td>Certifications on audit readiness of the Department of Defense and the military departments, Defense Agencies, and other organizations and elements of the Department of Defense</td>
</tr>
<tr>
<td></td>
<td>Information on Department of Defense funding in Department press releases and related public statements on programs, projects, and activities funded by the Department</td>
</tr>
<tr>
<td></td>
<td>Restrictions on the overhaul and repair of vessels in foreign shipyards</td>
</tr>
<tr>
<td></td>
<td>Authority to use video teleconferencing technology in military commission procedures</td>
</tr>
<tr>
<td></td>
<td>Authority to transfer individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to the United States temporarily for emergency or critical medical treatment</td>
</tr>
<tr>
<td></td>
<td>National Guard flyovers of public events</td>
</tr>
<tr>
<td></td>
<td>Transfer of funds to World War I Centennial Commission</td>
</tr>
<tr>
<td></td>
<td>Prohibition on use of funds to designate or expand Federal National Heritage Areas</td>
</tr>
<tr>
<td></td>
<td>Requirement relating to transfer of excess Department of Defense equipment to Federal and State agencies</td>
</tr>
<tr>
<td></td>
<td>Department of Defense integration of information operations and cyber-enabled information operations</td>
</tr>
<tr>
<td></td>
<td>Sense of Congress on the basing of KC-46A aircraft outside the continental United States</td>
</tr>
<tr>
<td></td>
<td>Sense of Congress on use of test sites for research and development on countering unmanned aircraft systems</td>
</tr>
<tr>
<td></td>
<td>Reports on infrastructure and capabilities of Lajes Field, Portugal</td>
</tr>
<tr>
<td></td>
<td>Report on project, program, and portfolio management standards</td>
</tr>
<tr>
<td></td>
<td>Protection of Second Amendment rights of military families</td>
</tr>
<tr>
<td></td>
<td>Recognition of the United States Special Operations Command</td>
</tr>
<tr>
<td></td>
<td>Annual reports on approval of employment or compensation of retired general or flag officers by foreign governments for Emoluments Clause purposes</td>
</tr>
<tr>
<td></td>
<td>Findings and sense of Congress regarding the National Guard Youth Challenge Program</td>
</tr>
<tr>
<td></td>
<td>Report on large-scale, joint exercises involving the air and land domains</td>
</tr>
<tr>
<td></td>
<td>Sense of Congress regarding National Purple Heart Recognition Day</td>
</tr>
<tr>
<td></td>
<td>Business case analysis on establishment of active duty association and additional primary aircraft authorization for the 168th Air Refueling Wing</td>
</tr>
<tr>
<td></td>
<td>Sense of Congress regarding Pacific War Memorial</td>
</tr>
<tr>
<td></td>
<td>Federal charter for Spirit of America</td>
</tr>
<tr>
<td>XXI</td>
<td></td>
</tr>
<tr>
<td>---------------------------------</td>
<td></td>
</tr>
<tr>
<td>TITLE X—GENERAL PROVISIONS—Continued</td>
<td></td>
</tr>
<tr>
<td>Legislative Provisions Not Adopted—Continued</td>
<td></td>
</tr>
<tr>
<td>Protection against misuse of Naval Special Warfare Command insignia</td>
<td>000</td>
</tr>
<tr>
<td>Reconsideration of claims for disability compensation for veterans who were the subjects of mustard gas or Lewisite experiments during World War II</td>
<td>000</td>
</tr>
<tr>
<td>Exception to the interdepartmental waiver doctrine for cleanup of vehicle crashes</td>
<td>000</td>
</tr>
<tr>
<td>Prevention of certain health care providers from providing non-departmental health care services to veterans</td>
<td>000</td>
</tr>
<tr>
<td>Comptroller General report on Department of Defense installation access control initiatives</td>
<td>000</td>
</tr>
<tr>
<td>Collaboration between Federal Aviation Administration and Department of Defense on unmanned aircraft systems</td>
<td>000</td>
</tr>
<tr>
<td>Report on the circumstances surrounding the 2016 attacks on the U.S.S. Mason</td>
<td>000</td>
</tr>
<tr>
<td>Comptroller General review of Department of Defense implementation of open recommendations</td>
<td>000</td>
</tr>
<tr>
<td>Report on airports used by Mahan Air</td>
<td>000</td>
</tr>
<tr>
<td>Open, Public, Electronic, and Necessary (OPEN) Government Data Act</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on use of Intergovernmental Personnel Act Mobility Program and Department of Defense Information Technology Exchange Program to obtain personnel with cyber skills and abilities for the Department of Defense</td>
<td>000</td>
</tr>
<tr>
<td>TITLE XI—CIVILIAN PERSONNEL MATTERS</td>
<td>000</td>
</tr>
<tr>
<td>Direct hire authority for the Department of Defense for personnel to assist in business transformation and management innovation (sec. 1101)</td>
<td>000</td>
</tr>
<tr>
<td>Extension of direct hire authority for Domestic Defense Industrial Base Facilities and Major Range and Test Facilities Base (sec. 1102)</td>
<td>000</td>
</tr>
<tr>
<td>Extension of authority to provide voluntary separation incentive pay for civilian employees of the Department of Defense (sec. 1103)</td>
<td>000</td>
</tr>
<tr>
<td>Additional Department of Defense science and technology reinvention laboratories (sec. 1104)</td>
<td>000</td>
</tr>
<tr>
<td>One-year extension of authority to waive annual limitation on premium pay and aggregate limitation on pay for Federal civilian employees working overseas (sec. 1105)</td>
<td>000</td>
</tr>
<tr>
<td>Direct hire authority for financial management experts in the Department of Defense workforce (sec. 1106)</td>
<td>000</td>
</tr>
<tr>
<td>Extension of authority for temporary personnel flexibilities for Domestic Defense Industrial Base Facilities and Major Range and Test Facilities Base civilian personnel (sec. 1107)</td>
<td>000</td>
</tr>
<tr>
<td>One-year extension of temporary authority to grant allowances, benefits, and gratuities to civilian personnel on official duty in a combat zone (sec. 1108)</td>
<td>000</td>
</tr>
<tr>
<td>Extension of overtime rate authority for Department of the Navy employees performing work aboard or dockside in support of the nuclear-powered aircraft carrier forward deployed in Japan (sec. 1109)</td>
<td>000</td>
</tr>
<tr>
<td>Pilot program on enhanced personnel management system for cybersecurity and legal professionals in the Department of Defense (sec. 1110)</td>
<td>000</td>
</tr>
<tr>
<td>Establishment of senior scientific technical managers at Major Range and Test Facility Base Facilities and Defense Test Resource Management Center (sec. 1111)</td>
<td>000</td>
</tr>
<tr>
<td>Legislative Provisions Not Adopted</td>
<td>000</td>
</tr>
<tr>
<td>Inclusion of Strategic Capabilities Office and Defense Innovation Unit Experimental of the Department of Defense in personnel management authority to attract experts in science and engineering</td>
<td>000</td>
</tr>
<tr>
<td>Appointment of retired members of the Armed Forces to positions in or under the Department of Defense</td>
<td>000</td>
</tr>
</tbody>
</table>
### TITLE XI—CIVILIAN PERSONNEL MATTERS—Continued

#### Legislative Provisions Not Adopted—Continued

<table>
<thead>
<tr>
<th>Provision</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authority for waiver of requirement for a baccalaureate degree for</td>
<td>000</td>
</tr>
<tr>
<td>positions in the Department of Defense on cybersecurity and computer</td>
<td></td>
</tr>
<tr>
<td>programming</td>
<td></td>
</tr>
<tr>
<td>Briefing on diversity in the civilian workforce on Air Force installations</td>
<td>000</td>
</tr>
<tr>
<td>Elimination of the foreign exemption provision in regard to overtime</td>
<td>000</td>
</tr>
<tr>
<td>for Federal civilian employees temporarily assigned to a foreign area</td>
<td></td>
</tr>
<tr>
<td>Briefing on plans to develop and improve additive manufacturing capabilities</td>
<td>000</td>
</tr>
<tr>
<td>Expansion of SkillBridge initiative to include participation by Federal</td>
<td>000</td>
</tr>
<tr>
<td>agencies</td>
<td></td>
</tr>
</tbody>
</table>

### TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

#### Subtitle A—Assistance and Training

- One-year extension of logistical support for coalition forces supporting certain United States military operations (sec. 1201) 
- Support of special operations for irregular warfare (sec. 1202)
- Obligation of funds in Special Defense Acquisition Fund for precision guided munitions (sec. 1203)
- Modification of defense institution capacity building and authority to build capacity of foreign security forces (sec. 1204)
- Extension and modification of authority on training for Eastern European national security forces in the course of multilateral exercises (sec. 1205)
- Global Security Contingency Fund (sec. 1206)
- Extension of participation in and support of the Inter-American Defense College (sec. 1208)
- Plan on improvement of ability of national security forces of foreign countries participating in United States capacity building programs to protect civilians (sec. 1209)

#### Subtitle B—Matters Relating to Afghanistan and Pakistan

- Extension of authority to transfer defense articles and provide defense services to the military and security forces of Afghanistan (sec. 1211)
- Extension and modification of authority for reimbursement of certain coalition nations for support provided to United States military operations (sec. 1212)
- Special immigrant visas for Afghan allies (sec. 1213)
- Extension of authority to acquire products and services produced in countries along a major route of supply to Afghanistan (sec. 1214)
- Extension of semiannual report on enhancing security and stability in Afghanistan (sec. 1215)
- Human rights vetting of Afghan National Defense and Security Forces (sec. 1216)

#### Subtitle C—Matters Relating to Syria, Iraq, and Iran

- Report on United States strategy in Syria (sec. 1221)
- Extension and modification of authority to provide assistance to counter the Islamic State of Iraq and Syria (sec. 1222)
- Modification of authority to provide assistance to the vetted Syrian opposition (sec. 1223)
- Extension and modification of authority to support operations and activities of the Office of Security Cooperation in Iraq (sec. 1224)
- Modification and additional elements in annual report on the military power of Iran (sec. 1225)
- Extension of quarterly reports on confirmed ballistic missile launches from Iran and imposition of sanctions in connection with those launches (sec. 1226)
- Limitation on use of funds for provision of man-portable air defense systems to the vetted Syrian opposition (sec. 1227)
- Report on potential agreement with the Government of the Russian Federation on the status of Syria (sec. 1228)

#### Subtitle D—Matters Relating to the Russian Federation
### TITLE XII—MATTERS RELATING TO FOREIGN NATIONS—Continued

**Subtitle D—Matters Relating to the Russian Federation—Continued**

<table>
<thead>
<tr>
<th>Provision</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extension of limitation on military cooperation between the United States and the Russian Federation (sec. 1231)</td>
<td>000</td>
</tr>
<tr>
<td>Prohibition on availability of funds relating to sovereignty of the Russian Federation over Crimea (sec. 1232)</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on European security (sec. 1233)</td>
<td>000</td>
</tr>
<tr>
<td>Modification and extension of Ukraine Security Assistance Initiative (sec. 1234)</td>
<td>000</td>
</tr>
<tr>
<td>Limitation on availability of funds relating to implementation of the Open Skies Treaty (sec. 1235)</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on importance of nuclear capabilities of NATO (sec. 1236)</td>
<td>000</td>
</tr>
<tr>
<td>Report on Security Cooperation with respect to Western Balkan countries (sec. 1237)</td>
<td>000</td>
</tr>
<tr>
<td>Plan to respond in case of Russian noncompliance with the New START Treaty (sec. 1238)</td>
<td>000</td>
</tr>
<tr>
<td>Strategy to counter threats by the Russian Federation (sec. 1239)</td>
<td>000</td>
</tr>
<tr>
<td>Strategy to counter the threat of malign influence by the Russian Federation (sec. 1239A)</td>
<td>000</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Provision</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>INF Treaty Preservation Act of 2017 (secs. 1241–1242, 1246)</td>
<td>000</td>
</tr>
<tr>
<td>Compliance enforcement regarding Russian violations of the INF Treaty (sec. 1243)</td>
<td>000</td>
</tr>
<tr>
<td>Notification requirement related to Russian Federation development of noncompliant systems and United States actions regarding material breach of INF Treaty by the Russian Federation (sec. 1244)</td>
<td>000</td>
</tr>
<tr>
<td>Review of RS–26 ballistic missile (sec. 1245)</td>
<td>000</td>
</tr>
</tbody>
</table>

**Subtitle F—Matters Relating to the Indo-Asia-Pacific Region**

<table>
<thead>
<tr>
<th>Provision</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sense of Congress and Initiative on the Indo-Asia-Pacific region (sec. 1251)</td>
<td>000</td>
</tr>
<tr>
<td>Report on strategy to prioritize United States defense interests in the Indo-Asia-Pacific region (sec. 1252)</td>
<td>000</td>
</tr>
<tr>
<td>Assessment of United States force posture and basing needs in the Indo-Asia-Pacific region (sec. 1253)</td>
<td>000</td>
</tr>
<tr>
<td>Plan to enhance the extended deterrence and assurance capabilities of the United States in the Asia-Pacific region (sec. 1254)</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress reaffirming security commitments to the Governments of Japan and South Korea and trilateral cooperation between the United States, Japan, and South Korea (sec. 1255)</td>
<td>000</td>
</tr>
<tr>
<td>Strategy on North Korea (sec. 1256)</td>
<td>000</td>
</tr>
<tr>
<td>North Korean nuclear intercontinental ballistic missiles (sec. 1257)</td>
<td>000</td>
</tr>
<tr>
<td>Advancements in defense cooperation between the United States and India (sec. 1258)</td>
<td>000</td>
</tr>
<tr>
<td>Strengthening the defense partnership between the United States and Taiwan (sec. 1259)</td>
<td>000</td>
</tr>
<tr>
<td>Normalizing the transfer of defense articles and defense services to Taiwan (sec. 1259A)</td>
<td>000</td>
</tr>
<tr>
<td>Assessment on United States defense implications of China's expanding global access (sec. 1259B)</td>
<td>000</td>
</tr>
<tr>
<td>Agreement supplemental to Compact of Free Association with Palau (sec. 1259C)</td>
<td>000</td>
</tr>
<tr>
<td>Study on United States interests in the Freely Associated States (sec. 1259D)</td>
<td>000</td>
</tr>
</tbody>
</table>

**Subtitle G—Reports**

<table>
<thead>
<tr>
<th>Provision</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modification of annual report on military and security developments involving the People's Republic of China (sec. 1261)</td>
<td>000</td>
</tr>
<tr>
<td>Modification of annual update of Department of Defense Freedom of Navigation Operations report (sec. 1262)</td>
<td>000</td>
</tr>
<tr>
<td>Report on strategy to defeat Al-Qaeda, the Taliban, the Islamic State of Iraq and Syria (ISIS), and their associated forces and co-belligerents (sec. 1263)</td>
<td>000</td>
</tr>
<tr>
<td>Report on and notice of changes made to the legal and policy frameworks for the United States' use of military force and related national security operations (sec. 1264)</td>
<td>000</td>
</tr>
</tbody>
</table>
## TITLE XII—MATTERS RELATING TO FOREIGN NATIONS—Continued

### Subtitle G—Reports—Continued

<table>
<thead>
<tr>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report on military action of Saudi Arabia and its coalition partners in Yemen</td>
<td>000</td>
</tr>
<tr>
<td>Submittal of Department of Defense Supplemental and Cost of War Execution reports on quarterly basis (sec. 1266)</td>
<td>000</td>
</tr>
<tr>
<td>Consolidation of reports on United States Armed Forces, civilian employees, and contractors deployed in support of Operation Inherent Resolve and Operation Freedom’s Sentinel, and associated and successor operations (sec. 1267)</td>
<td>000</td>
</tr>
<tr>
<td>Comptroller General of the United States report on pricing and availability with respect to foreign military sales (sec. 1268)</td>
<td>000</td>
</tr>
<tr>
<td>Annual report on military and security developments involving the Russian Federation (sec. 1269)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle H—Other Matters</td>
<td>000</td>
</tr>
<tr>
<td>Global Theater Security Cooperation Management Information System (sec. 1272)</td>
<td>000</td>
</tr>
<tr>
<td>Future years plan for the European Deterrence Initiative (sec. 1273)</td>
<td>000</td>
</tr>
<tr>
<td>Extension of authority to enter into agreements with participating countries in the American, British, Canadian, and Australian Armies’ Program (sec. 1274)</td>
<td>000</td>
</tr>
<tr>
<td>United States military and diplomatic strategy for Yemen (sec. 1275)</td>
<td>000</td>
</tr>
<tr>
<td>Transfer of excess high mobility multipurpose wheeled vehicles to foreign countries (sec. 1276)</td>
<td>000</td>
</tr>
<tr>
<td>Department of Defense program to protect United States students against foreign agents (sec. 1277)</td>
<td>000</td>
</tr>
<tr>
<td>Limitation and extension of United States-Israel anti-tunnel cooperation authority (sec. 1278)</td>
<td>000</td>
</tr>
<tr>
<td>Anticorruption strategy (sec. 1279)</td>
<td>000</td>
</tr>
<tr>
<td>Strategy to improve defense institutions and security sector forces in Nigeria (sec. 1279A)</td>
<td>000</td>
</tr>
<tr>
<td>Limitation on availability of funds to implement the Arms Trade Treaty (sec. 1279B)</td>
<td>000</td>
</tr>
<tr>
<td>Cultural Heritage Protection Coordinator (sec. 1279C)</td>
<td>000</td>
</tr>
<tr>
<td>Security assistance for Baltic nations for joint program for joint interoperability and deterrence against aggression (sec. 1279D)</td>
<td>000</td>
</tr>
<tr>
<td>Restriction on funding for the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (sec. 1279E)</td>
<td>000</td>
</tr>
<tr>
<td>Clarification of authority to support border security operations of certain foreign countries (sec. 1279F)</td>
<td>000</td>
</tr>
</tbody>
</table>

### Legislative Provisions Not Adopted

<table>
<thead>
<tr>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sense of Congress on cybersecurity cooperation with Ukraine</td>
<td>000</td>
</tr>
<tr>
<td>Extension of Commanders’ Emergency Response Program and related authorities</td>
<td>000</td>
</tr>
<tr>
<td>Report on United States strategy in Afghanistan</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress relating to Dr. Shakil Afridi</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress regarding the Afghan special immigrant visa program</td>
<td>000</td>
</tr>
<tr>
<td>Report on impact of humanitarian crisis on achievement of United States security objectives in Syria</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on threats posed by the Government of Iran</td>
<td>000</td>
</tr>
<tr>
<td>Report on merits of an Incidents at Sea agreement between the United States, Iran, and certain other countries</td>
<td>000</td>
</tr>
<tr>
<td>Report on steps and protocols related to the rescue, care, and treatment of captives of the Islamic State</td>
<td>000</td>
</tr>
<tr>
<td>Report on use by the Government of Iran of commercial aircraft and related services for illicit activities</td>
<td>000</td>
</tr>
<tr>
<td>Strategy for Syria and Iraq</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on support for Georgia</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on support for Estonia, Latvia, and Lithuania</td>
<td>000</td>
</tr>
<tr>
<td>Russian aggression and the security environment in Europe</td>
<td>000</td>
</tr>
<tr>
<td>Limitation on availability of funds to extend the implementation of the New START Treaty</td>
<td>000</td>
</tr>
<tr>
<td>Short title.</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on the importance of the North Atlantic Treaty Organization Intelligence Fusion Center</td>
<td>000</td>
</tr>
<tr>
<td>Section</td>
<td>Page</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Findings and sense of Congress</td>
<td>000</td>
</tr>
<tr>
<td>Strategy to increase conventional precision strike weapon stockpiles</td>
<td>000</td>
</tr>
<tr>
<td>in the United States European Command's areas of responsibility</td>
<td>000</td>
</tr>
<tr>
<td>Plan to counter the military capabilities of the Russian Federation</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on enhancing maritime capabilities</td>
<td>000</td>
</tr>
<tr>
<td>Plan to reduce the risks of miscalculation and unintended consequences that could precipitate a nuclear war</td>
<td>000</td>
</tr>
<tr>
<td>Definitions</td>
<td>000</td>
</tr>
<tr>
<td>Expansion of military-to-military engagement with the Government of Burma</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on the importance of the rule of law in the South China Sea</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on freedom of navigation operations in the South China Sea</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on the Association of Southeast Asian Nations</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on reaffirming the importance of the United States-Australia defense alliance</td>
<td>000</td>
</tr>
<tr>
<td>NATO Cooperative Cyber Defense Center of Excellence</td>
<td>000</td>
</tr>
<tr>
<td>NATO Strategic Communications Center of Excellence</td>
<td>000</td>
</tr>
<tr>
<td>Report by Defense Intelligence Agency on certain military capabilities of China and Russia</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on the North Atlantic Treaty Organization</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on the export of defense articles to Turkey</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on reaffirming strategic partnerships and allies</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on consideration of impact of marine debris in trade agreements</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress regarding the Chibok schoolgirls and Boko Haram</td>
<td>000</td>
</tr>
<tr>
<td>Report on Iran and North Korea nuclear and ballistic missile cooperation</td>
<td>000</td>
</tr>
<tr>
<td>Contingency plans relating to South Sudan</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on the Western Hemisphere region</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress relating to increases in defense capabilities of United States allies</td>
<td>000</td>
</tr>
<tr>
<td>Annual report on attempts of the Russian Federation to provide disinformation and propaganda to members of the Armed Forces by social media</td>
<td>000</td>
</tr>
<tr>
<td>Support of European Deterrence Initiative to deter Russian aggression</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on the European Deterrence Initiative</td>
<td>000</td>
</tr>
<tr>
<td>Enhancement of Ukraine Security Assistance Initiative</td>
<td>000</td>
</tr>
<tr>
<td>Report on the capabilities and activities of the Islamic State of Iraq and Syria and other violent extremist groups in Southeast Asia</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on the Islamic State of Iraq and Syria</td>
<td>000</td>
</tr>
<tr>
<td>Title XIII—Cooperative Threat Reduction</td>
<td>000</td>
</tr>
<tr>
<td>Specification of Cooperative Threat Reduction funds (sec. 1301)</td>
<td>000</td>
</tr>
<tr>
<td>Funding allocations (sec. 1302)</td>
<td>000</td>
</tr>
<tr>
<td>Title XIV—Other Authorizations</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle A—Military Programs</td>
<td>000</td>
</tr>
<tr>
<td>Working Capital Funds (sec. 1401)</td>
<td>000</td>
</tr>
<tr>
<td>Chemical agents and munitions destruction, Defense (sec. 1402)</td>
<td>000</td>
</tr>
<tr>
<td>Drug interdiction and counter-drug activities Defense-wide (sec. 1403)</td>
<td>000</td>
</tr>
<tr>
<td>Defense Inspector General (sec. 1404)</td>
<td>000</td>
</tr>
<tr>
<td>Defense Health Program (sec. 1405)</td>
<td>000</td>
</tr>
<tr>
<td>National Defense Sealift Fund (sec. 1406)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle B—Other Matters</td>
<td>000</td>
</tr>
<tr>
<td>Authority for transfer of funds to joint Department of Defense</td>
<td>000</td>
</tr>
<tr>
<td>Department of Veterans Affairs Medical Facility Demonstration Fund for Captain James A. Lovell Health Care Center, Illinois (sec. 1411)</td>
<td>000</td>
</tr>
<tr>
<td>Authorization of appropriations for Armed Forces Retirement Home (sec. 1412)</td>
<td>000</td>
</tr>
<tr>
<td>Armed Forces Retirement Home matters (sec. 1413)</td>
<td>000</td>
</tr>
</tbody>
</table>
TITLE XIV—OTHER AUTHORIZATIONS—Continued
Subtitle B—Other Matters—Continued

Authority to dispose of certain materials from and to acquire additional materials for the National Defense Stockpile (sec. 1414) ................................................................. 000

Acquisition reporting on major chemical demilitarization programs of the Department of Defense (sec. 1415) ................................................................. 000

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS ................................................................. 000

Subtitle A—Authorization of Appropriations ........................................................................ 000

Purpose and treatment of certain authorizations of appropriations (sec. 1501) ................................................................. 000
Overseas contingency operations (sec. 1502) ........................................................................ 000
Procurement (sec. 1503) ............................................................................................... 000
Research, development, test, and evaluation (sec. 1504) .................................................. 000
Operation and maintenance (sec. 1505) ........................................................................ 000
Military personnel (sec. 1506) .......................................................................................... 000
Working capital funds (sec. 1507) ................................................................................. 000

Drug Interdiction and Counter-Drug Activities, Defense-wide (sec. 1508) ................................................................. 000

Defense Inspector General (sec. 1509) ........................................................................ 000
Defense Health Program (sec. 1510) ........................................................................ 000

Subtitle B—Financial Matters ......................................................................................... 000

Treatment as additional authorizations (sec. 1511) .......................................................... 000
Special transfer authority (sec. 1512) ........................................................................ 000

Subtitle C—Limitations, Reports, and Other Matters ............................................................ 000

Afghanistan Security Forces Fund (sec. 1521) ................................................................ 000
Joint Improvised-Threat Defeat Fund (sec. 1522) .............................................................. 000

Commissioner General report on feasibility of separation of expenditures (sec. 1523) ................................................................. 000
Guidelines for budget items to be covered by overseas contingency operations accounts (sec. 1524) ................................................................. 000

Legislative Provisions Not Adopted ................................................................................. 000

Enhancement of database of emergency response capabilities of the Department of Defense ......................................................................................... 000

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS ........................................................................................................ 000

Subtitle A—Space Activities ............................................................................................ 000

Space acquisition and management and oversight (sec. 1601) ........................................... 000
Codification, extension, and modification of limitation on construction on United States territory of satellite positioning ground monitoring stations of foreign governments (sec. 1602) ................................................................. 000
Foreign commercial satellite services: cybersecurity threats and launches (sec. 1603) ............................................................................................... 000
Extension of pilot program on commercial weather data (sec. 1604) ................................ 000
Evolved Expendable Launch Vehicle modernization and sustainment of assured access to space (sec. 1605) ................................................................. 000
Demonstration of backup and complementary positioning, navigation, and timing capabilities of Global Positioning System (sec. 1606) ................................................................. 000
Enhancement of positioning, navigation, and timing capacity (sec. 1607) ................................................................. 000
Commercial satellite communications pathfinder program (sec. 1608) ................................................................. 000
Launch support and infrastructure modernization (sec. 1609) ........................................... 000

Limitation on availability of funding for Joint Space Operations Center mission system (sec. 1610) ................................................................. 000
Limitation on use of funds for Delta IV launch vehicle (sec. 1611) ........................................... 000
Air Force space contractor responsibility watch list (sec. 1612) ........................................... 000
Certification and briefing on operational and contingency plans for loss or degradation of space capabilities (sec. 1613) ................................................................. 000
Report on protected satellite communications (sec. 1614) ................................................. 000

Sense of Congress on establishment of Space Flag training event (sec. 1615) ................................................................. 000
Sense of Congress on coordinating efforts to prepare for space weather events (sec. 1616) ............................................................................................... 000
Sense of Congress on National Space Defense Center (sec. 1617) ........................................... 000

Subtitle B—Defense Intelligence and Intelligence-Related Activities .................................... 000

Security clearances for facilities of certain contractors (sec. 1621) ........................................... 000
<table>
<thead>
<tr>
<th>TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS—Continued</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subtitle B—Defense Intelligence and Intelligence-Related Activities—Continued</strong></td>
</tr>
<tr>
<td>Extension of authority to engage in certain commercial activities (sec. 1622)</td>
</tr>
<tr>
<td>Submission of audits of commercial activity funds (sec. 1623)</td>
</tr>
<tr>
<td>Clarification of annual briefing on the intelligence, surveillance, and reconnaissance requirements of the combatant commands (sec. 1624)</td>
</tr>
<tr>
<td>Consideration of service by recipients of Boren scholarships and fellowships in excepted service positions as service by such recipients under career appointments for purposes of career tenure (sec. 1625)</td>
</tr>
<tr>
<td>Review of support provided by Defense intelligence elements to acquisition activities of the Department (sec. 1626)</td>
</tr>
<tr>
<td>Establishment of Chairman's controlled activity within Joint Staff for intelligence, surveillance, and reconnaissance (sec. 1627)</td>
</tr>
<tr>
<td>Requirements relating to multi-use sensitive compartmented information facilities (sec. 1628)</td>
</tr>
<tr>
<td>Limitation on availability of funds for certain offensive counterintelligence activities (sec. 1629)</td>
</tr>
<tr>
<td><strong>Subtitle C—Cyberspace-Related Matters</strong></td>
</tr>
<tr>
<td><strong>PART I—GENERAL CYBER MATTERS</strong></td>
</tr>
<tr>
<td>Notification requirements for sensitive military cyber operations and cyber weapons (sec. 1631)</td>
</tr>
<tr>
<td>Modification to quarterly cyber operations briefings (sec. 1632)</td>
</tr>
<tr>
<td>Policy of the United States on cyberspace, cybersecurity, and cyber warfare (sec. 1633)</td>
</tr>
<tr>
<td>Prohibition on use of products and services developed or provided by Kaspersky Lab (sec. 1634)</td>
</tr>
<tr>
<td>Modification of authorities relating to establishment of unified combatant command for cyber operations (sec. 1635)</td>
</tr>
<tr>
<td>Modification of definition of acquisition workforce to include personnel contributing to cybersecurity systems (sec. 1636)</td>
</tr>
<tr>
<td>Integration of strategic information operations and cyber-enabled information operations (sec. 1637)</td>
</tr>
<tr>
<td>Exercise on assessing cybersecurity support to election systems of States (sec. 1638)</td>
</tr>
<tr>
<td>Measurement of compliance with cybersecurity requirements for industrial control systems (sec. 1639)</td>
</tr>
<tr>
<td>Strategic Cybersecurity Program (sec. 1640)</td>
</tr>
<tr>
<td>Plan to increase cyber and information operations, deterrence, and defense (sec. 1641)</td>
</tr>
<tr>
<td>Evaluation of agile or iterative development of cyber tools and applications (sec. 1642)</td>
</tr>
<tr>
<td>Assessment of defense critical infrastructure (sec. 1643)</td>
</tr>
<tr>
<td>Cyber posture review (sec. 1644)</td>
</tr>
<tr>
<td>Briefing on cyber capability and readiness shortfalls (sec. 1645)</td>
</tr>
<tr>
<td>Briefing on cyber applications of blockchain technology (sec. 1646)</td>
</tr>
<tr>
<td>Briefing on training infrastructure for cyber mission forces (sec. 1647)</td>
</tr>
<tr>
<td>Report on termination of dual-hat arrangement for Commander of the United States Cyber Command (sec. 1648)</td>
</tr>
<tr>
<td><strong>PART II—CYBERSECURITY EDUCATION</strong></td>
</tr>
<tr>
<td>Cyber Scholarship Program (sec. 1649)</td>
</tr>
<tr>
<td>Community college cyber pilot program and assessment (sec. 1649A)</td>
</tr>
<tr>
<td>Federal Cyber Scholarship-For-Service program updates (sec. 1649B)</td>
</tr>
<tr>
<td>Cybersecurity teaching (sec. 1649C)</td>
</tr>
<tr>
<td><strong>Subtitle D—Nuclear Forces</strong></td>
</tr>
<tr>
<td>Annual assessment of cyber resiliency of nuclear command and control system (sec. 1651)</td>
</tr>
<tr>
<td>Collection, storage, and sharing of data relating to nuclear security enterprise (sec. 1652)</td>
</tr>
<tr>
<td>Notifications regarding dual-capable F–35A aircraft (sec. 1653)</td>
</tr>
</tbody>
</table>
TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS—Continued

Subtitle D—Nuclear Forces—Continued

Oversight of delayed acquisition programs by Council on Oversight of the National Leadership Command, Control, and Communications System (sec. 1654) ................................................................. 000

Establishment of Nuclear Command and Control Intelligence Fusion Center (sec. 1655) ................................................................. 000

Security of nuclear command, control, and communications system from commercial dependencies (sec. 1656) .................................................. 000

Oversight of aerial-layer programs by Council on Oversight of the National Leadership Command, Control, and Communications System (sec. 1657) ....................................................................................... 000

Security classification guide for programs relating to nuclear command, control, and communications and nuclear deterrence (sec. 1658) ....................................................................................................... 000

Evaluation and enhanced security of supply chain for nuclear command, control, and communications and continuity of government programs (sec. 1659) ................................................................. 000

Procurement authority for certain parts of intercontinental ballistic missile fuzes (sec. 1660) ............................................................................................................. 000

Presidential National Voice Conferencing System and Phoenix Air-to-Ground Communications Network (sec. 1661) ................................................................. 000

Limitation on pursuit of certain command and control concept (sec. 1662) ............................................................................................................. 000

Prohibition on availability of funds for mobile variant of ground-based strategic deterrent missile (sec. 1663) ............................................................................................... 000

Modification to annual report on plan for the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery systems, and nuclear weapons command and control system (sec. 1665) .... 000

Establishment of procedures for implementation of Nuclear Enterprise Review (sec. 1666) ................................................................................. 000

Report on impacts of nuclear proliferation (sec. 1667) ................................................................. 000

Certification that the Nuclear Posture Review addresses deterrent effect and operation of United States nuclear forces in current and future security environments (sec. 1668) ............................................................................................... 000

Plan to manage Integrated Tactical Warning and Attack Assessment System and multi-domain sensors (sec. 1669) ............................................................................................... 000

Certification requirement with respect to strategic radiation hardened trusted microelectronics (sec. 1670) ................................................................. 000

Nuclear Posture Review (sec. 1671) ....................................................................................... 000

Sense of Congress on importance of independent nuclear deterrent of United Kingdom (sec. 1672) ....................................................................................... 000

Subtitle E—Missile Defense Programs ....................................................................................... 000

Administration of missile defense and defeat programs (sec. 1676) ............................................................................................... 000

Condition for proceeding beyond low-rate initial production (sec. 1677) ............................................................................................... 000

Preservation of the ballistic missile defense capacity of the Army (sec. 1678) ............................................................................................... 000

Modernization of Army lower tier air and missile defense sensor (sec. 1679) ............................................................................................... 000

Defense of Hawaii from North Korean ballistic missile attack (sec. 1680) ............................................................................................... 000

Designation of location of continental United States interceptor site (sec. 1681) ............................................................................................... 000

Aegis Ashore anti-air warfare capability (sec. 1682) ............................................................................................... 000

Development of persistent space-based sensor architecture (sec. 1683) ............................................................................................... 000

Iron Dome short-range rocket defense system and Israeli Cooperative Missile Defense Program co-development and co-production (sec. 1684) ............................................................................................... 000

Boost phase ballistic missile defense (sec. 1685) ............................................................................................... 000

Ground-based interceptor capability, capacity, and reliability (sec. 1686) ............................................................................................... 000
Subtitle E—Missile Defense Programs—Continued

Responsibilities of commercial market representatives (sec. 1705) ........................................ 000
Responsibilities of Business Opportunity Specialists (sec. 1704) ........................................ 000
Improving reporting on small business goals (sec. 1703) .................................................... 000
Uniformity in procurement terminology (sec. 1702) ............................................................. 000
Amendments to HUBZone provisions of the Small Business Act (sec. 1701) .......................... 000

Title XVII—Small Business Procurement and Industrial Base Matters

Amendments to HUBZone provisions of the Small Business Act (sec. 1701) .......................... 000
Uniformity in procurement terminology (sec. 1702) ............................................................. 000
Improving reporting on small business goals (sec. 1703) .................................................... 000
Responsibilities of Business Opportunity Specialists (sec. 1704) ........................................ 000
Responsibilities of commercial market representatives (sec. 1705) .................................... 000
TITLE XXII—NAVY MILITARY CONSTRUCTION—Continued

Authorized Navy construction and land acquisition projects (sec. 2201) .......................................................... 000
Improvements to military family housing units (sec. 2203) .......................................................... 000
Authorization of appropriations, Navy (sec. 2204) .................................................................................. 000
Extension of authorizations for certain fiscal year 2014 projects (sec. 2205) .......................................................... 000
Extension of authorizations of certain fiscal year 2015 projects (sec. 2206) .......................................................... 000

Legislative Provisions Not Adopted .................................................................................................................. 000

TITLE XXIII—AIR FORCE MILITARY CONSTRUCTION .......................................................................................... 000

Summary .................................................................................................................................................. 000

Authorized Air Force construction and land acquisition projects (sec. 2301) .......................................................... 000
Family housing (sec. 2302) .................................................................................................................. 000
Improvements to military family housing units (sec. 2303) .................................................................................. 000
Authorization of appropriations, Air Force (sec. 2304) .................................................................................. 000
Modification of authority to carry out certain fiscal year 2017 projects (sec. 2305) .......................................................... 000
Extension of authorizations of certain fiscal year 2015 projects (sec. 2306) .......................................................... 000

TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION .................................................................................. 000

Summary .................................................................................................................................................. 000

Authorized Defense Agencies construction and land acquisition projects (sec. 2401) .......................................................... 000
Authorized energy resiliency and conservation projects (sec. 2402) .......................................................... 000
Authorization of appropriations, Defense Agencies (sec. 2403) .................................................................................. 000
Modification of authority to carry out certain fiscal year 2017 project (sec. 2404) .......................................................... 000
Extension of authorizations of certain fiscal year 2014 projects (sec. 2405) .......................................................... 000
Extension of authorizations of certain fiscal year 2015 projects (sec. 2406) .......................................................... 000

TITLE XXV—INTERNATIONAL PROGRAMS .................................................................................................. 000

Summary .................................................................................................................................................. 000

Subtitle A—North Atlantic Treaty Organization Security Investment Program .......................................................... 000
Authorized NATO construction and land acquisition projects (sec. 2501) .......................................................... 000
Authorization of appropriations, NATO (sec. 2502) .................................................................................. 000
Subtitle B—Host Country In-Kind Contributions .......................................................................................... 000
Republic of Korea funded construction projects (sec. 2511) .......................................................... 000
Modification of authority to carry out certain fiscal year 2017 projects (sec. 2512) .......................................................... 000

TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES .................................................................................. 000

Summary .................................................................................................................................................. 000

Subtitle A—Project Authorizations and Authorization of Appropriations .......................................................... 000
Authorized Army National Guard construction and land acquisition projects (sec. 2601) .......................................................... 000
Authorized Army Reserve construction and land acquisition projects (sec. 2602) .......................................................... 000
Authorized Navy Reserve and Marine Corps Reserve construction and land acquisition projects (sec. 2603) .......................................................... 000
Authorized Air National Guard construction and land acquisition projects (sec. 2604) .......................................................... 000
Authorized Air Force Reserve construction and land acquisition projects (sec. 2605) .......................................................... 000
Authorization of appropriations, National Guard and Reserve (sec. 2606) .......................................................... 000

Subtitle B—Other Matters .......................................................................................................................... 000
Modification of authority to carry out certain fiscal year 2015 project (sec. 2611) .......................................................... 000
Extension of authorizations of certain fiscal year 2014 projects (sec. 2612) .......................................................... 000
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES—Continued</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle B—Other Matters—Continued</td>
<td></td>
</tr>
<tr>
<td>Extension of authorizations of certain fiscal year 2015 projects</td>
<td>000</td>
</tr>
<tr>
<td>(sec. 2613)</td>
<td></td>
</tr>
<tr>
<td>TITLE XXVII—BASE REALIGNMENT AND CLOSURE ACTIVITIES</td>
<td>000</td>
</tr>
<tr>
<td>Authorization of appropriations for base realignment and closure</td>
<td></td>
</tr>
<tr>
<td>activities funded through Department of Defense base closure account</td>
<td>000</td>
</tr>
<tr>
<td>(sec. 2701)</td>
<td></td>
</tr>
<tr>
<td>Prohibition on conducting additional base realignment and closure</td>
<td>000</td>
</tr>
<tr>
<td>(BRAC) round (sec. 2702)</td>
<td></td>
</tr>
<tr>
<td>Legislative Provisions Not Adopted</td>
<td>000</td>
</tr>
<tr>
<td>Title XXVIII—MILITARY CONSTRUCTION AND GENERAL PROVISIONS</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle A—Military Construction Program and Military Family Housing</td>
<td>000</td>
</tr>
<tr>
<td>Elimination of written notice requirement for military construction</td>
<td></td>
</tr>
<tr>
<td>activities and reliance on electronic submission of notifications and</td>
<td></td>
</tr>
<tr>
<td>reports (sec. 2801)</td>
<td>000</td>
</tr>
<tr>
<td>Modification of thresholds applicable to unspecified minor construc-</td>
<td></td>
</tr>
<tr>
<td>tion projects (sec. 2802)</td>
<td>000</td>
</tr>
<tr>
<td>Annual locality adjustment of dollar thresholds applicable to unspec-</td>
<td></td>
</tr>
<tr>
<td>ified minor military construction authorities (sec. 2803)</td>
<td>000</td>
</tr>
<tr>
<td>Extension of temporary, limited authority to use operation and main-</td>
<td></td>
</tr>
<tr>
<td>tenance funds for construction projects outside the United States</td>
<td>000</td>
</tr>
<tr>
<td>(sec. 2804)</td>
<td></td>
</tr>
<tr>
<td>Use of operation and maintenance funds for military construction</td>
<td>000</td>
</tr>
<tr>
<td>projects to replace facilities damaged or destroyed by natural disas-</td>
<td></td>
</tr>
<tr>
<td>ters or terrorism incidents (sec. 2805)</td>
<td>000</td>
</tr>
<tr>
<td>Annual report on unfunded requirements for laboratory military con-</td>
<td></td>
</tr>
<tr>
<td>struction projects (sec. 2806)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle B—Real Property and Facilities Administration</td>
<td>000</td>
</tr>
<tr>
<td>Elimination of written notice requirement for military real property</td>
<td></td>
</tr>
<tr>
<td>transactions and reliance on electronic submission of notifications</td>
<td></td>
</tr>
<tr>
<td>and reports (sec. 2811)</td>
<td>000</td>
</tr>
<tr>
<td>Certification related to certain acquisitions or leases of real prop-</td>
<td></td>
</tr>
<tr>
<td>erty (sec. 2812)</td>
<td>000</td>
</tr>
<tr>
<td>Increased term limit for intergovernmental support agreements to</td>
<td></td>
</tr>
<tr>
<td>provide installation support services (sec. 2813)</td>
<td>000</td>
</tr>
<tr>
<td>Authorizing reimbursement of States for costs of suppressing</td>
<td></td>
</tr>
<tr>
<td>wildfires caused by Department of Defense activities on State lands;</td>
<td></td>
</tr>
<tr>
<td>restoration of lands of other Federal agencies for damage caused by</td>
<td></td>
</tr>
<tr>
<td>Department of Defense vehicle mishaps (sec. 2814)</td>
<td>000</td>
</tr>
<tr>
<td>Criteria for exchanges of property at military installations (sec.</td>
<td></td>
</tr>
<tr>
<td>2815)</td>
<td>000</td>
</tr>
<tr>
<td>Land exchange valuation of property with reduced development that</td>
<td></td>
</tr>
<tr>
<td>limits encroachment on military installations (sec. 2816)</td>
<td>000</td>
</tr>
<tr>
<td>Requirements for window fall prevention devices in military family</td>
<td></td>
</tr>
<tr>
<td>housing (sec. 2817)</td>
<td>000</td>
</tr>
<tr>
<td>Prohibiting use of updated assessment of public schools on Depart-</td>
<td></td>
</tr>
<tr>
<td>ment of Defense installations to supersede funding of certain projects (sec. 2818)</td>
<td>000</td>
</tr>
<tr>
<td>Access to military installations by transportation network companies (sec. 2819)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle C—Project Management and Oversight Reforms</td>
<td>000</td>
</tr>
<tr>
<td>Notification requirement for certain cost increases (sec. 2821)</td>
<td>000</td>
</tr>
<tr>
<td>Annual report on schedule delays (sec. 2822)</td>
<td>000</td>
</tr>
<tr>
<td>Report on design errors and omissions related to Fort Bliss hospital</td>
<td></td>
</tr>
<tr>
<td>replacement project (sec. 2823)</td>
<td>000</td>
</tr>
<tr>
<td>Report on cost increase and delay related to USSTRATCOM command and</td>
<td></td>
</tr>
<tr>
<td>control facility project at Offutt Air Force Base (sec. 2824)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle D—Energy Resilience</td>
<td>000</td>
</tr>
<tr>
<td>Energy resilience (sec. 2831)</td>
<td>000</td>
</tr>
<tr>
<td>Authority to use energy cost savings for energy resilience, mission</td>
<td></td>
</tr>
<tr>
<td>assurance, and weather damage repair and prevention measures (sec. 2832)</td>
<td>000</td>
</tr>
<tr>
<td>Title</td>
<td>Page</td>
</tr>
<tr>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>TITLE XXVIII—MILITARY CONSTRUCTION AND GENERAL PROVISIONS—Continued</td>
<td></td>
</tr>
<tr>
<td>Section</td>
<td>Page</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>XXXIV</td>
<td></td>
</tr>
<tr>
<td>TITLE XXVIII—MILITARY CONSTRUCTION AND GENERAL PROVISIONS—Continued</td>
<td></td>
</tr>
<tr>
<td>Legislative Provisions Not Adopted—Continued</td>
<td></td>
</tr>
<tr>
<td>Removal of certain deed restrictions and reversion associated with</td>
<td></td>
</tr>
<tr>
<td>the conveyance of property of former Defense Depot Ogden, Utah</td>
<td>000</td>
</tr>
<tr>
<td>Land Conveyance, Wasatch-Cache National Forest, Rich County, Utah</td>
<td>000</td>
</tr>
<tr>
<td>Indefinite duration of certain military land withdrawals and reserva-</td>
<td>000</td>
</tr>
<tr>
<td>tions and improved management of withdrawn and reserved lands</td>
<td></td>
</tr>
<tr>
<td>Temporary segregation from public land laws of property subject to</td>
<td></td>
</tr>
<tr>
<td>proposed military land withdrawal; temporary use permits and transfers</td>
<td></td>
</tr>
<tr>
<td>of small parcels of land between Departments of Interior and military</td>
<td></td>
</tr>
<tr>
<td>departments; more efficient surveying of lands</td>
<td>000</td>
</tr>
<tr>
<td>Limited authority for private sector supervision of military construc-</td>
<td></td>
</tr>
<tr>
<td>tion projects in event of extensive cost overruns or project delays</td>
<td>000</td>
</tr>
<tr>
<td>Battleship preservation grant program</td>
<td>000</td>
</tr>
<tr>
<td>Short Title</td>
<td>000</td>
</tr>
<tr>
<td>Definitions</td>
<td>000</td>
</tr>
<tr>
<td>Areas to be added to Shiloh National Military Park</td>
<td>000</td>
</tr>
<tr>
<td>Establishment of affiliated area</td>
<td>000</td>
</tr>
<tr>
<td>Private property protection</td>
<td>000</td>
</tr>
<tr>
<td>Technical correction to authority for return of certain lands at Fort</td>
<td>000</td>
</tr>
<tr>
<td>Wingate, New Mexico, to original inhabitants</td>
<td>000</td>
</tr>
<tr>
<td>Report on compliance with runway clear zone requirements</td>
<td>000</td>
</tr>
<tr>
<td>Sense of Congress on fire protection in Department of Defense facili-</td>
<td>000</td>
</tr>
<tr>
<td>ties</td>
<td></td>
</tr>
<tr>
<td>TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION</td>
<td>000</td>
</tr>
<tr>
<td>Summary</td>
<td>000</td>
</tr>
<tr>
<td>Authorized Army construction and land acquisition projects (sec.</td>
<td>000</td>
</tr>
<tr>
<td>2901)</td>
<td></td>
</tr>
<tr>
<td>Authorized Navy construction and land acquisition project (sec.</td>
<td>000</td>
</tr>
<tr>
<td>2902)</td>
<td></td>
</tr>
<tr>
<td>Authorized Air Force construction and land acquisition project (sec.</td>
<td>000</td>
</tr>
<tr>
<td>2903)</td>
<td></td>
</tr>
<tr>
<td>Authorized Defense Agencies construction and land acquisition project (sec. 2904)</td>
<td>000</td>
</tr>
<tr>
<td>Authorization of appropriations (sec. 2905)</td>
<td>000</td>
</tr>
<tr>
<td>Extension of authorization of certain fiscal year 2015 projects (sec.</td>
<td>000</td>
</tr>
<tr>
<td>2906)</td>
<td></td>
</tr>
<tr>
<td>DIVISION C—DEPARTMENT OF ENERGY NATIONAL SECURITY AUTHORIZATIONS AND</td>
<td>000</td>
</tr>
<tr>
<td>OTHER AUTHORIZATIONS</td>
<td></td>
</tr>
<tr>
<td>TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle A—National Security Programs Authorizations</td>
<td>000</td>
</tr>
<tr>
<td>National Nuclear Security Administration (sec. 3101)</td>
<td>000</td>
</tr>
<tr>
<td>Defense environmental cleanup (sec. 3102)</td>
<td>000</td>
</tr>
<tr>
<td>Other defense activities (sec. 3103)</td>
<td>000</td>
</tr>
<tr>
<td>Nuclear energy (sec. 3104)</td>
<td>000</td>
</tr>
<tr>
<td>Subtitle B—Program Authorizations, Restrictions, and Limitations</td>
<td>000</td>
</tr>
<tr>
<td>Nuclear security enterprise infrastructure modernization initiative</td>
<td>000</td>
</tr>
<tr>
<td>(sec. 3111)</td>
<td></td>
</tr>
<tr>
<td>Incorporation of integrated surety architecture in transportation (sec.3112)</td>
<td>000</td>
</tr>
<tr>
<td>Cost estimates for life extension program and major alteration projects (sec. 3113)</td>
<td>000</td>
</tr>
<tr>
<td>Improved information relating to certain defense non-</td>
<td>000</td>
</tr>
<tr>
<td>proliferation programs (sec. 3114)</td>
<td></td>
</tr>
<tr>
<td>Research and development of advanced naval reactor fuel based on</td>
<td>000</td>
</tr>
<tr>
<td>low-enriched uranium (sec. 3115)</td>
<td></td>
</tr>
<tr>
<td>National Nuclear Security Administration pay and performance sys-</td>
<td>000</td>
</tr>
<tr>
<td>tem (sec. 3116)</td>
<td></td>
</tr>
<tr>
<td>Budget requests and certification regarding nuclear weapons dis-</td>
<td>000</td>
</tr>
<tr>
<td>mantlement (sec. 3117)</td>
<td></td>
</tr>
<tr>
<td>Nuclear warhead design competition (sec. 3118)</td>
<td>000</td>
</tr>
<tr>
<td>Modification of minor construction threshold for plant projects (sec.</td>
<td>000</td>
</tr>
<tr>
<td>3119)</td>
<td></td>
</tr>
</tbody>
</table>
TITLE XXXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PRO-
GRAMS—Continued
Subtitle B—Program Authorizations, Restrictions, and Limitations—Con-
tinued
  Extension of authorization of Advisory Board on Toxic Substances
  and Worker Health (sec. 3120) ............................................................. 000
  Use of funds for construction and project support activities relating
to MOX facility (sec. 3121) ............................................................... 000
  Prohibition on availability of funds for programs in Russian Feder-
tion (sec. 3122) .................................................................................. 000
Subtitle C—Plans and Reports ............................................................... 000
  Annual Selected Acquisition Reports on certain hardware relating
to defense nuclear nonproliferation (sec. 3131) .................................. 000
  Annual reports on unfunded priorities of National Nuclear Security
Administration (sec. 3132) ................................................................. 000
  Modification of certain reporting requirements (sec. 3133) ............... 000
  Modification to stockpile stewardship, management, and responsive-
ness plan (sec. 3134) .......................................................................... 000
  Assessment and development of prototype nuclear weapons of foreign
countries (sec. 3135) .......................................................................... 000
  Plan for verification, detection, and monitoring of nuclear weapons
and fissile material (sec. 3136) ............................................................ 000
  Review of United States nuclear and radiological terrorism preven-
tion strategy (sec. 3137) ................................................................. 000
  Assessment of management and operating contracts of national secu-
ritv laboratories (sec. 3138) ................................................................. 000
  Evaluation of classification of certain defense nuclear waste (sec.
3139) ................................................................................................. 000
  Improved reporting for anti-smuggling radiation detection systems
(sec. 3140) ........................................................................................ 000
  Plutonium capabilities (sec. 3141) ...................................................... 000
  Report on critical decision 1 on Material Staging Facility project
(sec. 3142) ........................................................................................ 000
  Plan to further minimize the use of highly enriched uranium for
medical isotopes (sec. 3143) ............................................................... 000
Subtitle D—Other Matters ................................................................. 000
  Sense of Congress regarding uranium mining and nuclear testing
(sec. 3151) ........................................................................................ 000
Legislative Provisions Not Adopted ..................................................... 000
  Department of Energy Counterintelligence polygraph program ............ 000
  Security clearance for dual-nationals employed by National Nuclear
Security Agency .................................................................................. 000
  Assessment of design trade options of W80–4 warhead ................. 000
TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD
  Authorization (sec. 3201) ................................................................. 000
TITLE XXXIV—NAVAL PETROLEUM RESERVES ......................... 000
  Authorization of appropriations (sec. 3401) ...................................... 000
TITLE XXXV—MARITIME ADMINISTRATION ................................ 000
Legislative Provisions Adopted .............................................................. 000
  Authorization of the Maritime Administration (sec. 3501) ................. 000
  Merchant Ship Sales Act of 1946 (sec. 3502) .................................... 000
  Maritime Security Fleet Program; restriction on operation for new
entrants (sec. 3503) ............................................................................ 000
  Codification of sections relating to acquisition, charter, and requisic-
tion of vessels (sec. 3504) ................................................................. 000
  Assistance for small shipyards (sec. 3505) ........................................ 000
  Report on sexual assault victim recovery in the Coast Guard (sec.
3506) ............................................................................................... 000
  Centers of excellence (sec. 3507) ..................................................... 000
  Foreign spill protection (sec. 3508) .................................................. 000
  Removal of adjunct professor limit at United States Merchant Marine
Academy (sec. 3509) ......................................................................... 000
  Acceptance of guarantees in conjunction with partial donations for
major projects of the United States Merchant Marine Academy
(sec. 3510) .......................................................................................... 000
Maritime Administration—Continued

Legislative Provisions Adopted—Continued

Authority to pay conveyance or transfer expenses in connection with acceptance of a gift to the United States Merchant Marine Academy (sec. 3511) .................................................................................................................. 000

Authority to participate in Federal, State or other research grants (sec. 3512) ........................................................................................................................................ 000

Provision of satellite communication devices during Sea Year program (sec. 3513) .................................................................................................................... 000

Actions to address sexual harassment, dating violence, domestic violence, sexual assault, and stalking at the United States Merchant Marine Academy (sec. 3514) ........................................................................................................ 000

Sexual assault prevention and response staff for the United States Merchant Marine Academy (sec. 3515) ........................................................................ 000

Protection of cadets at the United States Merchant Marine Academy from sexual assault onboard commercial vessels (sec. 3516) ..................................................... 000

Training requirement for sexual assault investigators (sec. 3517) ............... 000

Legislative Provisions Not Adopted ................................................................ 000

Maritime Administration ........................................................................... 000

Application of law ....................................................................................... 000

Recourse for non-U.S. seamen .................................................................. 000

DIVISION D—FUNDING TABLES ..................................................................... 000

Authorization of amounts in funding tables (sec. 4001) .............................. 000

Summary of National Defense Authorizations for Fiscal Year 2018 000

National Defense Budget Authority Implication .............................................. 000

TITLE XLI—PROCUREMENT ......................................................................... 000

Procurement (sec. 4101) ............................................................................. 000

Procurement for overseas contingency operations (sec. 4102) ...................... 000

TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION .... 000

Research, development, test, and evaluation (sec. 4201) ............................ 000

Research, development, test, and evaluation for overseas contingency operations (sec. 4202) .................................................................................................................. 000

TITLE XLIII—OPERATION AND MAINTENANCE ...................................... 000

Operation and maintenance (sec. 4301) .................................................. 000

Operation and maintenance for overseas contingency operations (sec. 4302) .................................................................................................................. 000

TITLE XLIV—MILITARY PERSONNEL ....................................................... 000

Military personnel (sec. 4401) ............................................................... 000

Military personnel for overseas contingency operations (sec. 4402) ............. 000

TITLE XLV—OTHER AUTHORIZATIONS .................................................. 000

Other authorizations (sec. 4501) ............................................................... 000

Other authorizations for overseas contingency operations (sec. 4502) .... 000

TITLE XLVI—MILITARY CONSTRUCTION ................................................. 000

Military construction (sec. 4601) ............................................................... 000

Military construction for overseas contingency operations (sec. 4602) ........ 000

TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS .............................................................................................................................. 000

Department of Energy national security programs (sec. 4701) ................. 000

Legislative Provisions Not Adopted ............................................................. 000

Overseas contingency operations for base requirements .......................... 000
Mr. Thornberry, from the committee of conference,
submitted the following

CONFERENCE REPORT

[To accompany H.R. 2810]

The committee of conference on the disagreeing votes of the two
Houses on the amendment of the Senate to the bill (H.R. 2810), to
authorize appropriations for fiscal year 2018 for military activities of the
Department of Defense, for military construction, and for defense
activities of the Department of Energy, to prescribe military personnel
strengths for such fiscal year, and for other purposes, having met, after
full and free conference, have agreed to recommend and do recommend
to their respective Houses as follows:

That the House recede from its disagreement to the amendment of
the Senate and agree to the same with an amendment as follows:

In lieu of the matter proposed to be inserted by the Senate
amendment, insert the following:
1 SECTION 1. SHORT TITLE.

This Act may be cited as the “National Defense Authorization Act for Fiscal Year 2018”.

2 SEC. 2. ORGANIZATION OF ACT INTO DIVISIONS; TABLE OF CONTENTS.

(a) DIVISIONS.—This Act is organized into four divisions as follows:

(1) Division A—Department of Defense Authorizations.

(2) Division B—Military Construction Authorizations.

(3) Division C—Department of Energy National Security Authorizations and Other Authorizations.

(4) Division D—Funding Tables.

(b) TABLE OF CONTENTS.—The table of contents for this Act is as follows:

Sec. 1. Short title.
Sec. 2. Organization of Act into divisions; table of contents.
Sec. 3. Congressional defense committees.
Sec. 4. Budgetary effects of this Act.

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

Subtitle A—Authorization Of Appropriations

Sec. 101. Authorization of appropriations.

Subtitle B—Army Programs

Sec. 111. Authority to expedite procurement of 7.62mm rifles.
Sec. 112. Limitation on availability of funds for Increment 2 of the Warfighter Information Network-Tactical program.

Sec. 113. Limitation on availability of funds for upgrade of M113 vehicles.

Subtitle C—Navy Programs

Sec. 121. Aircraft carriers.
Sec. 122. Icebreaker vessel.
Sec. 123. Multiyear procurement authority for Arleigh Burke class destroyers.
Sec. 124. Multiyear procurement authority for Virginia class submarine program.
Sec. 125. Design and construction of the lead ship of the amphibious ship replacement designated LX(R) or amphibious transport dock designated LPD-30.
Sec. 126. Multiyear procurement authority for V-22 Osprey aircraft.
Sec. 127. Extension of limitation on use of sole-source shipbuilding contracts for certain vessels.
Sec. 128. Limitation on availability of funds for the enhanced multi-mission parachute system.
Sec. 129. Report on Navy capacity to increase production of certain rotary wing aircraft.

Subtitle D—Air Force Programs

Sec. 131. Inventory requirement for Air Force fighter aircraft.
Sec. 132. Prohibition on availability of funds for retirement of E-8 JSTARS aircraft.
Sec. 133. Requirement for continuation of JSTARS aircraft recapitalization program.
Sec. 134. Limitation on selection of single contractor for C-130H avionics modernization program increment 2.
Sec. 135. Limitation on availability of funds for EC-130H Compass Call recapitalization program.
Sec. 136. Limitation on retirement of U-2 and RQ-4 aircraft.
Sec. 137. Cost-benefit analysis of upgrades to MQ-9 Reaper aircraft.
Sec. 138. Plan for modernization of the radar for F-16 fighter aircraft of the National Guard.
Sec. 139. Comptroller General review of Air Force fielding plan for HH-60 replacement programs.

Subtitle E—Defense-wide, Joint, and Multiservice Matters

Sec. 141. F-35 economic order quantity contracting authority.
Sec. 142. Authority for explosive ordnance disposal units to acquire new or emerging technologies and capabilities.
Sec. 143. Requirement that certain aircraft and unmanned aerial vehicles use specified standard data link.
Sec. 144. Reinstatement of requirement to preserve certain C-5 aircraft; mobility capability and requirements study.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Subtitle A—Authorization of Appropriations

Sec. 201. Authorization of appropriations.

Subtitle B—Program Requirements, Restrictions, and Limitations
Sec. 211. Cost controls for presidential aircraft recapitalization program.
Sec. 212. Capital investment authority.
Sec. 213. Prizes for advanced technology achievements.
Sec. 214. Joint Hypersonics Transition Office.
Sec. 215. Department of Defense directed energy weapon system prototyping and demonstration program.
Sec. 216. Appropriate use of authority for prototype projects.
Sec. 217. Mechanisms for expedited access to technical talent and expertise at academic institutions to support Department of Defense missions.
Sec. 218. Modification of laboratory quality enhancement program.
Sec. 219. Reauthorization of Department of Defense Established Program to Stimulate Competitive Research.
Sec. 220. Codification and enhancement of authorities to provide funds for defense laboratories for research and development of technologies for military missions.
Sec. 221. Expansion of definition of competitive procedures to include competitive selection for award of science and technology proposals.
Sec. 222. Inclusion of modeling and simulation in test and evaluation activities for purposes of planning and budget certification.
Sec. 223. Limitation on availability of funds for F–35 Joint Strike Fighter Follow-On Modernization.
Sec. 224. Improvement of update process for populating mission data files used in advanced combat aircraft.
Sec. 225. Support for national security innovation and entrepreneurial education.
Sec. 226. Limitation on cancellation of designation Executive Agent for a certain Defense Production Act program.

Subtitle C—Reports and Other Matters

Sec. 231. Columbia-class program accountability matrices.
Sec. 232. Review of barriers to innovation in research and engineering activities of the Department of Defense.
Sec. 233. Pilot program to improve incentives for technology transfer from Department of Defense laboratories.
Sec. 234. Competitive acquisition plan for low probability of detection data link networks.
Sec. 235. Clarification of selection dates for pilot program for the enhancement of the research, development, test, and evaluation centers of the Department of Defense.
Sec. 236. Requirement for a plan to build a prototype for a new ground combat vehicle for the Army.

TITLE III—OPERATION AND MAINTENANCE

Subtitle A—Authorization of Appropriations

Sec. 301. Authorization of appropriations.

Subtitle B—Energy and Environment

Sec. 311. Military Aviation and Installation Assurance Siting Clearinghouse.
Sec. 312. Energy performance goals and master plan.
Sec. 313. Payment to Environmental Protection Agency of stipulated penalty in connection with Umatilla Chemical Depot, Oregon.

Sec. 314. Payment to Environmental Protection Agency of stipulated penalty in connection with Longhorn Army Ammunition Plant, Texas.

Sec. 315. Department of the Army cleanup and removal of petroleum, oil, and lubricant associated with the Prinz Eugen.

Sec. 316. Centers for Disease Control study on health implications of per- and polyfluoroalkyl substances contamination in drinking water.

Sec. 317. Sentinel Landscapes Partnership.

Sec. 318. Report on release of radium or radioactive material into the groundwater near the industrial reserve plant in Bethpage, New York.

Subtitle C—Logistics and Sustainment

Sec. 321. Reauthorization of multi-trades demonstration project.

Sec. 322. Increased percentage of sustainment funds authorized for realignment to restoration and modernization at each installation.

Sec. 323. Guidance regarding use of organic industrial base.

Subtitle D—Reports

Sec. 331. Quarterly reports on personnel and unit readiness.

Sec. 332. Biennial report on core depot-level maintenance and repair capability.

Sec. 333. Annual report on personnel, training, and equipment needs of non-federalized National Guard.

Sec. 334. Annual report on military working dogs used by the Department of Defense.

Sec. 335. Report on effects of climate change on Department of Defense.

Sec. 336. Report on optimization of training in and management of special use airspace.

Sec. 337. Plan for modernized, dedicated Department of the Navy adversary air training enterprise.

Sec. 338. Updated guidance regarding biennial core report.

Subtitle E—Other Matters

Sec. 341. Explosive safety board.

Sec. 342. Servicewomen’s commemorative partnerships.

Sec. 343. Limitation on availability of funds for advanced skills management software system of the Navy.

Sec. 344. Cost-benefit analysis of uniform specifications for Afghan military or security forces.

Sec. 345. Temporary installation reutilization authority for arsenals, depots, and plants.

Sec. 346. Comprehensive plan for sharing depot-level maintenance best practices.

Sec. 347. Pilot program for operation and maintenance budget presentation.

Sec. 348. Repurposing and reuse of surplus Army firearms.

Sec. 349. Department of the Navy marksmanship awards.

Sec. 350. Civilian training for National Guard pilots and sensor operator aircrews of MQ-9 unmanned aerial vehicles.

Sec. 351. Training for National Guard personnel on wildfire response.

Sec. 352. Modification of the Second Division Memorial.

TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS

Subtitle A—Active Forces
Sec. 401. End strengths for active forces.
Sec. 402. Revisions in permanent active duty end strength minimum levels.

Subtitle B—Reserve Forces

Sec. 411. End strengths for Selected Reserve.
Sec. 412. End strengths for Reserves on active duty in support of the reserves.
Sec. 413. End strengths for military technicians (dual status).
Sec. 414. Fiscal year 2018 limitation on number of non-dual status technicians.
Sec. 415. Maximum number of reserve personnel authorized to be on active duty for operational support.
Sec. 416. Number of members of the National Guard on full-time duty in support of the reserves within the National Guard Bureau.

Subtitle C—Authorization of Appropriations

Sec. 421. Military personnel.

TITLE V—MILITARY PERSONNEL POLICY

Subtitle A—Officer Personnel Policy

Sec. 501. Modification of deadline for submittal by officers of written communications to promotion selection boards on matters of importance to their selection.
Sec. 502. Clarification to exception for removal of officers from list of officers recommended for promotion after 18 months without appointment.
Sec. 503. Modification of requirement for specification of number of officers who may be recommended for early retirement by a Selective Early Retirement Board.
Sec. 504. Extension of service-in-grade waiver authority for voluntary retirement of certain general and flag officers for purposes of enhanced flexibility in officer personnel management.
Sec. 505. Inclusion of Principal Military Deputy to the Assistant Secretary of the Army for Acquisition, Technology, and Logistics among officers subject to repeal of statutory specification of general officer grade.
Sec. 506. Clarification of effect of repeal of statutory specification of general or flag officer grade for various positions in the Armed Forces.
Sec. 507. Standardization of authorities in connection with repeal of statutory specification of general officer grade for the Dean of the Academic Board of the United States Military Academy and the Dean of the Faculty of the United States Air Force Academy.
Sec. 508. Flexibility in promotion of officers to positions of Staff Judge Advocate to the Commandant of the Marine Corps and Deputy Judge Advocate General of the Navy or Air Force.
Sec. 509. Grandfathering of retired grade of Assistant Judge Advocates General of the Navy as of repeal of statutory specification of general and flag officers grades in the Armed Forces.

Subtitle B—Reserve Component Management

Sec. 511. Equal treatment of orders to serve on active duty under sections 12304a and 12304b of title 10, United States Code.
Sec. 512. Service credit for cyberspace experience or advanced education upon original appointment as a commissioned officer.
Sec. 513. Consolidation of authorities to order members of the reserve components of the Armed Forces to perform duty.

Sec. 514. Pilot program on use of retired senior enlisted members of the Army National Guard as Army National Guard recruiters.

Subtitle C—General Service Authorities

PART I—MATTERS RELATING TO DISCHARGE AND CORRECTION OF MILITARY RECORDS

Sec. 520. Consideration of additional medical evidence by Boards for the Correction of Military Records and liberal consideration of evidence relating to post-traumatic stress disorder or traumatic brain injury.

Sec. 521. Public availability of information related to disposition of claims regarding discharge or release of members of the Armed Forces when the claims involve sexual assault.

Sec. 522. Confidential review of characterization of terms of discharge of members who are victims of sex-related offenses.

Sec. 523. Training requirements for members of boards for the correction of military records and personnel who investigate claims of retaliation.

Sec. 524. Pilot program on use of video teleconferencing technology by boards for the correction of military records and discharge review boards.

PART II—OTHER GENERAL SERVICE AUTHORITIES

Sec. 526. Modification of basis for extension of period for enlistment in the Armed Forces under the Delayed Entry Program.

Sec. 527. Reauthorization of authority to order retired members to active duty in high-demand, low-density assignments.

Sec. 528. Notification of members of the Armed Forces undergoing certain administrative separations of potential eligibility for veterans benefits.

Sec. 529. Extension of authority of the Secretary of Veterans Affairs to provide for the conduct of medical disability examinations by contract physicians.

Sec. 530. Provision of information on naturalization through military service.

Subtitle D—Military Justice and Other Legal Issues


Sec. 532. Enhancement of effective prosecution and defense in courts-martial and related matters.

Sec. 533. Punitive article under the Uniform Code of Military Justice on wrongful broadcast or distribution of intimate visual images or visual images of sexually explicit conduct.

Sec. 534. Garnishment to satisfy judgment rendered for physically, sexually, or emotionally abusing a child.

Sec. 535. Sexual assault prevention and response training for all individuals enlisted in the Armed Forces under a delayed entry program.

Sec. 536. Special Victims’ Counsel training regarding the unique challenges often faced by male victims of sexual assault.
Sec. 537. Inclusion of information in annual SAPIRO reports regarding military sexual harassment and incidents involving nonconsensual distribution of private sexual images.

Sec. 538. Inclusion of information in annual SAPIRO reports regarding sexual assaults committed by a member of the Armed Forces against the member’s spouse or other family member.

Subtitle E—Member Education, Training, Resilience, and Transition

Sec. 541. Element in preseparation counseling for members of the Armed Forces on assistance and support services for caregivers of certain veterans through the Department of Veterans Affairs.

Sec. 542. Improved employment assistance for members of the Army, Navy, Air Force, and Marine Corps and veterans.

Sec. 543. Limitation on release of military service academy graduates to participate in professional athletics.

Sec. 544. Two-year extension of suicide prevention and resilience program for the National Guard and Reserves.

Sec. 545. Annual certifications related to Ready, Relevant Learning initiative of the Navy.

Sec. 546. Authority to expand eligibility for the United States Military Apprenticeship Program.

Sec. 547. Limitation on availability of funds for attendance of Air Force enlisted personnel at Air Force officer professional military education in-residence courses.

Sec. 548. Lieutenant Henry Ossian Flipper Leadership Scholarships.

Sec. 549. Pilot programs on appointment in the excepted service in the Department of Defense of physically disqualified former cadets and midshipmen.

Subtitle F—Defense Dependents’ Education and Military Family Readiness Matters

PART I—DEFENSE DEPENDENTS’ EDUCATION MATTERS

Sec. 551. Assistance to schools with military dependent students.

Sec. 552. Transitions of military dependent students from Department of Defense dependent schools to other schools and among schools of local educational agencies.

Sec. 553. Report on educational opportunities in science, technology, engineering, and mathematics for children who are dependents of members of the Armed Forces.

PART II—MILITARY FAMILY READINESS MATTERS

Sec. 555. Codification of authority to conduct family support programs for immediate family members of members of the Armed Forces assigned to special operations forces.

Sec. 556. Reimbursement for State licensure and certification costs of a spouse of a member of the Armed Forces arising from relocation to another State.

Sec. 557. Temporary extension of extended period of protections for members of uniformed services relating to mortgages, mortgage foreclosure, and eviction.

Sec. 558. Enhancing military childcare programs and activities of the Department of Defense.
Sec. 559. Direct hire authority for Department of Defense for childcare services providers for Department child development centers.

Sec. 560. Pilot program on public-private partnerships for telework facilities for military spouses on military installations outside the United States.

Subtitle G—Decorations and Awards

Sec. 561. Authorization for award of the Medal of Honor to Garlin M. Conner for acts of valor during World War II.


Subtitle H—Miscellaneous Reporting Requirements

Sec. 571. Analysis and report on accompanied and unaccompanied tours of duty in remote locations with high family support costs.

Sec. 572. Review and reports on policies for regular and reserve officer career management.

Sec. 573. Review and report on effects of personnel requirements and limitations on the availability of members of the National Guard for the performance of funeral honors duty for veterans.

Sec. 574. Review and report on authorities for the employment, use, and status of National Guard and Reserve technicians.

Sec. 575. Assessment and report on expanding and contracting for childcare services of the Department of Defense.

Sec. 576. Review and report on compensation provided childcare services providers of the Department of Defense.


Sec. 578. Modification of submittal date of Comptroller General of the United States report on integrity of the Department of Defense whistleblower program.

Subtitle I—Other Matters

Sec. 581. Expansion of United States Air Force Institute of Technology enrollment authority to include civilian employees of the homeland security industry.

Sec. 582. Conditional designation of Explosive Ordnance Disposal Corps as a basic branch of the Army.

Sec. 583. Designation of office within Office of the Secretary of Defense to oversee use of food assistance programs by members of the Armed Forces on active duty.

TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS

Subtitle A—Pay and Allowances

Sec. 601. Annual adjustment of basic monthly pay.

Sec. 602. Prohibiting collection of additional amounts from members living in units under Military Housing Privatization Initiative.

Sec. 603. Limitation on modification of payment authority for Military Housing Privatization Initiative housing.
Sec. 604. Housing treatment for certain members of the Armed Forces, and their spouses and other dependents, undergoing a permanent change of station within the United States.
Sec. 605. Extension of authority to provide temporary increase in rates of basic allowance for housing under certain circumstances.
Sec. 606. Reevaluation of BAH for the military housing area including Staten Island.

Subtitle B—Bonus and Special and Incentive Pays
Sec. 611. One-year extension of certain bonus and special pay authorities for reserve forces.
Sec. 612. One-year extension of certain bonus and special pay authorities for health care professionals.
Sec. 613. One-year extension of special pay and bonus authorities for nuclear officers.
Sec. 614. One-year extension of authorities relating to title 37 consolidated special pay, incentive pay, and bonus authorities.
Sec. 615. One-year extension of authorities relating to payment of other title 37 bonuses and special pays.
Sec. 616. Report regarding the national pilot shortage.
Sec. 617. Special aviation incentive pay and bonus authorities for enlisted members who operate remotely piloted aircraft.
Sec. 618. Technical and conforming amendments relating to 2008 consolidation of special pay authorities.

Subtitle C—Disability Pay, Retired Pay, and Survivor Benefits
Sec. 621. Permanent extension and cost-of-living adjustments of special survivor indemnity allowances under the Survivor Benefit Plan.
Sec. 622. Adjustments to Survivor Benefit Plan for members electing lump sum payments of retired pay under the modernized retirement system for members of the uniformed services.
Sec. 623. Technical correction regarding election to participate in modernized retirement system for reserve component members experiencing a break in service.
Sec. 624. Technical corrections to use of member’s current pay grade and years of service in a division of property involving disposable retired pay.
Sec. 625. Continuation pay for the Coast Guard.

Subtitle D—Other Matters
Sec. 631. Land conveyance authority, Army and Air Force Exchange Service property, Dallas, Texas.
Sec. 632. Authority for the Secretaries of the military departments to provide for care of remains of those who die on active duty and are interred in a foreign cemetery.
Sec. 633. Construction of domestic source requirement for footwear furnished to enlisted members of the Armed Forces on initial entry into the Armed Forces.
Sec. 634. Review and update of regulations governing debt collectors interactions with unit commanders of members of the Armed Forces.

TITLE VII—HEALTH CARE PROVISIONS
Subtitle A—TRICARE and Other Health Care Benefits

Sec. 701. Continued access to medical care at facilities of the uniformed services for certain members of the reserve components.
Sec. 702. Modifications of cost-sharing requirements for the TRICARE Pharmacy Benefits Program and treatment of certain pharmaceutical agents.
Sec. 703. Provision of hyperbaric oxygen therapy for certain members of the Armed Forces.
Sec. 704. Specification that individuals under the age of 21 are eligible for hospice care services under the TRICARE program.
Sec. 705. Physical examinations for members of a reserve component who are separating from the Armed Forces.
Sec. 706. Mental health assessments before members separate from the Armed Forces.
Sec. 707. Expansion of sexual trauma counseling and treatment for members of the reserve components.
Sec. 708. Expedited evaluation and treatment for prenatal surgery under the TRICARE program.

Subtitle B—Health Care Administration

Sec. 711. Maintenance of inpatient capabilities of military medical treatment facilities located outside the United States.
Sec. 712. Modification of priority for evaluation and treatment of individuals at military treatment facilities.
Sec. 713. Clarification of administration of military medical treatment facilities.
Sec. 714. Regular update of prescription drug pricing standard under TRICARE retail pharmacy program.
Sec. 715. Modification of execution of TRICARE contracting responsibilities.
Sec. 716. Additional emergency uses for medical products to reduce deaths and severity of injuries caused by agents of war.
Sec. 717. Modification of determination of average wait times at urgent care clinics and pharmacies at military medical treatment facilities under pilot program.
Sec. 718. Requirement for reimbursement by Department of Defense to entities carrying out State vaccination programs for costs of vaccines provided to covered beneficiaries.
Sec. 719. Extension of authority for Joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund.
Sec. 720. Residency requirements for podiatrists.
Sec. 721. Authorization of physical therapist assistants and occupational therapy assistants to provide services under the TRICARE program.
Sec. 722. Selection of military commanders and directors of military medical treatment facilities.

Subtitle C—Reports and Other Matters

Sec. 731. Pilot program on health care assistance system.
Sec. 732. Feasibility study on conduct of pilot program on mental health readiness of part-time members of the reserve components of the Armed Forces.
Sec. 733. Report on plan to improve pediatric care and related services for children of members of the Armed Forces.
Sec. 734. Longitudinal medical study on blast pressure exposure of members of the Armed Forces.

Sec. 735. Study on safe opioid prescribing practices.

Sec. 736. Report on implementation of GAO recommendations.

Sec. 737. Declassification by Department of Defense of certain incidents of exposure of members of the Armed Forces to toxic substances.

Sec. 738. Coordination by Veterans Health Administration of efforts to understand effects of burn pits.

Sec. 739. TRICARE technical amendments.

TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS

Subtitle A—Acquisition Policy and Management

Sec. 801. Statements of purpose for Department of Defense acquisition.

Sec. 802. Management of intellectual property matters within the Department of Defense.

Sec. 803. Performance of incurred cost audits.

Sec. 804. Repeal of certain auditing requirements.

Sec. 805. Increased simplified acquisition threshold.

Sec. 806. Requirements related to the micro-purchase threshold.

Sec. 807. Process for enhanced supply chain scrutiny.

Sec. 808. Defense policy advisory committee on technology.

Sec. 809. Report on extension of development, acquisition, and sustainment authorities of the military departments to the United States Special Operations Command.

Sec. 810. Technical and conforming amendments related to program management provisions.

Subtitle B—Amendments to General Contracting Authorities, Procedures, and Limitations

Sec. 811. Modifications to cost or pricing data and reporting requirements.

Sec. 812. Applicability of cost and pricing data certification requirements.

Sec. 813. Sunset of certain provisions relating to the procurement of goods other than United States goods.

Sec. 814. Comptroller General report on health and safety records.

Sec. 815. Limitation on unilateral definitization.

Sec. 816. Amendment to sustainment reviews.

Sec. 817. Use of program income by eligible entities that carry out procurement technical assistance programs.

Sec. 818. Enhanced post-award debriefing rights.

Sec. 819. Amendments relating to information technology.

Sec. 820. Change to definition of subcontract in certain circumstances.

Sec. 821. Amendment relating to applicability of inflation adjustments.

Sec. 822. Use of lowest price technically acceptable source selection process.

Sec. 823. Exemption from design-build selection procedures.

Sec. 824. Contract closeout authority.

Sec. 825. Elimination of cost underruns as factor in calculation of penalties for cost overruns.

Sec. 826. Modification to annual meeting requirement of Configuration Steering Boards.

Sec. 827. Pilot program on payment of costs for denied Government Accountability Office bid protests.
Subtitle C—Provisions Relating to Major Defense Acquisition Programs

Sec. 831. Revisions to definition of major defense acquisition program.
Sec. 832. Prohibition on use of lowest price technically acceptable source selection process for major defense acquisition programs.
Sec. 833. Role of the Chief of the armed force in material development decision and acquisition system milestones.
Sec. 834. Requirement to emphasize reliability and maintainability in weapon system design.
Sec. 835. Licensing of appropriate intellectual property to support major weapon systems.
Sec. 836. Codification of requirements pertaining to assessment, management, and control of operating and support costs for major weapon systems.
Sec. 837. Should-cost management.
Sec. 838. Improvements to test and evaluation processes and tools.
Sec. 839. Enhancements to transparency in test and evaluation processes and data.

Subtitle D—Provisions Relating to Acquisition Workforce

Sec. 841. Enhancements to the civilian program management workforce.
Sec. 842. Credits to Department of Defense Acquisition Workforce Development Fund.
Sec. 843. Improvements to the hiring and training of the acquisition workforce.
Sec. 844. Extension and modifications to acquisition demonstration project.

Subtitle E—Provisions Relating to Commercial Items

Sec. 846. Procurement through commercial e-commerce portals.
Sec. 847. Revision to definition of commercial item.
Sec. 848. Commercial item determinations.
Sec. 849. Review of regulations on commercial items.
Sec. 850. Training in commercial items procurement.

Subtitle F—Provisions Relating to Services Contracting

Sec. 851. Improvement of planning for acquisition of services.
Sec. 852. Standard guidelines for evaluation of requirements for services contracts.
Sec. 853. Report on outcome-based services contracts.
Sec. 854. Pilot program for longer term multiyear service contracts.

Subtitle G—Provisions Relating to Other Transaction Authority and Prototyping

Sec. 861. Contract authority for advanced development of initial or additional prototype units.
Sec. 862. Methods for entering into research agreements.
Sec. 863. Education and training for transactions other than contracts and grants.
Sec. 864. Other transaction authority for certain prototype projects.
Sec. 865. Amendment to nontraditional and small contractor innovation prototyping program.
Sec. 866. Middle tier of acquisition for rapid prototype and rapid fielding.
Sec. 867. Preference for use of other transactions and experimental authority.
Sec. 868. Prototype projects to digitize defense acquisition regulations, policies, and guidance, and empower user tailoring of acquisition process.

Subtitle II—Provisions Relating to Software Acquisition

Sec. 871. Noncommercial computer software acquisition considerations.
Sec. 872. Defense Innovation Board analysis of software acquisition regulations.
Sec. 873. Pilot program to use agile or iterative development methods to tailor major software-intensive warfighting systems and defense business systems.
Sec. 874. Software development pilot program using agile best practices.
Sec. 875. Pilot program for open source software.

Subtitle I—Other Matters

Sec. 881. Extension of maximum duration of fuel storage contracts.
Sec. 882. Procurement of aviation critical safety items.
Sec. 883. Modifications to the advisory panel on streamlining and codifying acquisition regulations.
Sec. 884. Repeal of expired pilot program for leasing commercial utility cargo vehicles.
Sec. 885. Exception for business operations from requirement to accept $1 coins.
Sec. 886. Development of Procurement Administrative Lead Time.
Sec. 887. Notional milestones and standard timelines for contracts for foreign military sales.
Sec. 888. Assessment and authority to terminate or prohibit contracts for procurement from Chinese companies providing support to the Democratic People’s Republic of Korea.
Sec. 889. Report on defense contracting fraud.
Sec. 890. Comptroller General report on contractor business system requirements.
Sec. 891. Training on agile or iterative development methods.

TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

Subtitle A—Office of the Secretary of Defense and Related Matters

Sec. 901. Treatment of incumbent Under Secretary of Defense for Acquisition, Technology, and Logistics.
Sec. 902. Clarification of authority of Under Secretary of Defense for Acquisition and Sustainment with respect to service acquisition programs for which the service acquisition executive is the milestone decision authority.
Sec. 903. Executive Schedule matters relating to Under Secretary of Defense for Acquisition and Sustainment.
Sec. 904. Consistent period of relief from active duty as a commissioned officer of a regular component of the Armed Forces for appointment to Under Secretary of Defense positions.
Sec. 905. Qualifications for appointment and additional duties and powers of certain officials within the Office of the Under Secretary of Defense (Comptroller).
Sec. 907. Reduction of number and elimination of specific designations of Assistant Secretaries of Defense.
Sec. 908. Limitation on maximum number of Deputy Assistant Secretaries of Defense.
Sec. 909. Appointment and responsibilities of Chief Information Officer of the Department of Defense.
Sec. 910. Chief Management Officer of the Department of Defense.

Subtitle B—Data Management and Analytics

Sec. 911. Policy on treatment of defense business system data related to business operations and management.
Sec. 912. Transparency of defense management data.
Sec. 913. Establishment of set of activities that use data analysis, measurement, and other evaluation-related methods to improve acquisition program outcomes.

Subtitle C—Organization of Other Department of Defense Offices and Elements

Sec. 921. Qualifications for appointment of Assistant Secretaries of the military departments for financial management.
Sec. 922. Manner of carrying out reductions in major Department of Defense headquarters activities pursuant to headquarters reduction plan.
Sec. 923. Certifications on cost savings achieved by reductions in major Department of Defense headquarters activities.
Sec. 924. Corrosion control and prevention executives matters.
Sec. 925. Background and security investigations for Department of Defense personnel.

Subtitle D—Miscellaneous Reporting Requirements

Sec. 931. Additional elements in reports on policy, organization, and management goals of the Secretary of Defense for the Department of Defense.
Sec. 932. Report and sense of Congress on responsibility for developmental test and evaluation within the Office of the Secretary of Defense.

Subtitle D—Other Matters


TITLE X—GENERAL PROVISIONS

Subtitle A—Financial Matters

Sec. 1001. General transfer authority.
Sec. 1002. Consolidation, codification, and improvement of certain authorities and requirements in connection with the audit of the financial statements of the Department of Defense.
Sec. 1003. Improper payment matters.
Sec. 1004. Rankings of auditability of financial statements of the organizations and elements of the Department of Defense.
Sec. 1005. Financial operations dashboard for the Department of Defense.
Sec. 1006. Review and recommendations on efforts to obtain audit opinion on full financial statements.
Sec. 1007. Notification requirement for certain contracts for audit services.

Subtitle B—Counterdrug Activities

Sec. 1011. Extension of authority to support a unified counterdrug and counterterrorism campaign in Colombia.
Sec. 1012. Venue for prosecution of maritime drug trafficking.

Subtitle C—Naval Vessels and Shipyards

Sec. 1022. Use of National Sea-Based Deterrence Fund for multiyear procurement of certain critical components.
Sec. 1023. Operational readiness of littoral combat ships on extended deployment.
Sec. 1024. Availability of funds for retirement or inactivation of Ticonderoga-class cruisers or dock landing ships.
Sec. 1025. Policy of the United States on minimum number of battle force ships.
Sec. 1026. Surveying ships.

Subtitle D—Counterterrorism

Sec. 1031. Modification of authority on support of special operations to combat terrorism.
Sec. 1032. Termination of requirement to submit annual budget justification display for Department of Defense combating terrorism program.
Sec. 1033. Prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba to the United States.
Sec. 1034. Prohibition on use of funds to construct or modify facilities in the United States to house detainees transferred from United States Naval Station, Guantanamo Bay, Cuba.
Sec. 1035. Prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to certain countries.
Sec. 1036. Prohibition on use of funds to close or relinquish control of United States Naval Station, Guantanamo Bay, Cuba.
Sec. 1037. Sense of Congress regarding providing for timely victim and family testimony in military commission trials.
Sec. 1038. Report on public availability of military commissions proceedings.

Subtitle E—Miscellaneous Authorities and Limitations

Sec. 1041. Limitation on expenditure of funds for emergency and extraordinary expenses for intelligence and counter-intelligence activities.
Sec. 1042. Matters relating to the submittal of future-years defense programs.
Sec. 1043. Modifications to humanitarian demining assistance authorities.
Sec. 1044. Prohibition on charge of certain tariffs on aircraft traveling through channel routes.
Sec. 1045. Prohibition on lobbying activities with respect to the Department of Defense by certain officers of the Armed Forces and civilian employees of the Department following separation from military service or employment with the Department.
Sec. 1046. Prohibition on use of funds for retirement of legacy maritime mine countermeasures platforms.
Sec. 1047. Report on western Pacific Ocean ship depot maintenance capability and capacity.

Sec. 1048. Annual training regarding the influence campaign of the Russian Federation.

Sec. 1049. Workforce issues for military realignments in the Pacific.

Subtitle F—Studies and Reports


Sec. 1052. Report on transfer of defense articles to units committing gross violations of human rights.

Sec. 1053. Report on the National Biodefense Analysis and Countermeasures Center.

Sec. 1054. Report on Department of Defense Arctic capability and resource gaps and required infrastructure.

Sec. 1055. Review and assessment of Department of Defense personnel recovery and nonconventional assisted recovery mechanisms.

Sec. 1056. Mine warfare readiness inspection plan and report.

Sec. 1057. Annual report on civilian casualties in connection with United States military operations.


Sec. 1060. Assessment of global force posture.

Sec. 1061. Army modernization strategy.

Sec. 1062. Report on Army plan to improve operational unit readiness by reducing number of non-deployable soldiers assigned to operational units.

Sec. 1063. Efforts to combat physiological episodes on certain Navy aircraft.

Sec. 1064. Studies on aircraft inventories for the Air Force.

Sec. 1065. Department of Defense review of Navy capabilities in the Arctic region.

Sec. 1066. Comprehensive review of maritime intelligence, surveillance, reconnaissance, and targeting capabilities.

Sec. 1067. Report on the need for a Joint Chemical-Biological Defense Logistics Center.

Sec. 1068. Missile Technology Control Regime Category I unmanned aerial vehicle systems.

Sec. 1069. Recommendations for interagency vetting of foreign investments affecting national security.

Sec. 1070. Briefing on prior attempted Russian cyber attacks against defense systems.

Sec. 1071. Enhanced analytical and monitoring capability of the defense industrial base.

Sec. 1072. Report on defense of combat logistics and strategic mobility forces.

Sec. 1073. Report on acquisition strategy to recapitalize the existing system for undersea fixed surveillance.

Sec. 1074. Report on implementation of requirements in connection with the organization of the Department of Defense for management of special operations forces and special operations.

Sec. 1075. Report on the global food system and vulnerabilities relevant to Department of Defense missions.

Subtitle G—Modernizing Government Technology
Sec. 1076. Definitions.
Sec. 1077. Establishment of agency information technology systems modernization and working capital funds.
Sec. 1078. Establishment of technology modernization fund and board.

Subtitle H—Other Matters

Sec. 1081. Technical, conforming, and clerical amendments.
Sec. 1082. Clarification of applicability of certain provisions of law to civilian judges of the United States Court of Military Commission Review.
Sec. 1083. Modification of requirement relating to conversion of certain military technician (dual status) positions to civilian positions.
Sec. 1084. National Guard accessibility to Department of Defense issued unmanned aircraft.
Sec. 1085. Sense of Congress regarding aircraft carriers.
Sec. 1086. Sense of Congress recognizing the United States Navy Seabees.
Sec. 1087. Construction of memorial to the crew of the Apollo I launch test accident at Arlington National Cemetery.
Sec. 1089. Prize competition to identify root cause of physiological episodes on Navy, Marine Corps, and Air Force training and operational aircraft.
Sec. 1090. Providing assistance to House of Representatives in response to cybersecurity events.
Sec. 1091. Transfer of surplus firearms to Corporation for the Promotion of Rifle Practice and Firearms Safety.
Sec. 1092. Collaboration between Federal Aviation Administration and Department of Defense on unmanned aircraft systems.
Sec. 1093. Carriage of certain programming.
Sec. 1094. National strategy for countering violent extremism.
Sec. 1095. Sense of Congress regarding World War I.
Sec. 1096. Notice to Congress of terms of Department of Defense settlement agreements.
Sec. 1097. Office of Special Counsel reauthorization.
Sec. 1098. Air transportation of civilian Department of Defense personnel to and from Afghanistan.

TITLE XI—CIVILIAN PERSONNEL MATTERS

Sec. 1101. Direct hire authority for the Department of Defense for personnel to assist in business transformation and management innovation.
Sec. 1102. Extension of direct hire authority for Domestic Defense Industrial Base Facilities and Major Range and Test Facilities Base.
Sec. 1103. Extension of authority to provide voluntary separation incentive pay for civilian employees of the Department of Defense.
Sec. 1104. Additional Department of Defense science and technology reinvention laboratories.
Sec. 1105. One year extension of authority to waive annual limitation on premium pay and aggregate limitation on pay for Federal civilian employees working overseas.
Sec. 1106. Direct hire authority for financial management experts in the Department of Defense workforce.
Sec. 1107. Extension of authority for temporary personnel flexibilities for Domestic Defense Industrial Base Facilities and Major Range and Test Facilities Base civilian personnel.

Sec. 1108. One-year extension of temporary authority to grant allowances, benefits, and gratuities to civilian personnel on official duty in a combat zone.

Sec. 1109. Extension of overtime rate authority for Department of the Navy employees performing work aboard or dockside in support of the nuclear-powered aircraft carrier forward deployed in Japan.

Sec. 1110. Pilot program on enhanced personnel management system for cybersecurity and legal professionals in the Department of Defense.

Sec. 1111. Establishment of senior scientific technical managers at Major Range and Test Facility Base Facilities and Defense Test Resource Management Center.

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

Subtitle A—Assistance and Training

Sec. 1201. One-year extension of logistical support for coalition forces supporting certain United States military operations.

Sec. 1202. Support of special operations for irregular warfare.

Sec. 1203. Obligation of funds in Special Defense Acquisition Fund for precision guided munitions.

Sec. 1204. Modification of defense institution capacity building and authority to build capacity of foreign security forces.

Sec. 1205. Extension and modification of authority on training for Eastern European national security forces in the course of multilateral exercises.

Sec. 1206. Global Security Contingency Fund.

Sec. 1207. Defense Institute of International Legal Studies.

Sec. 1208. Extension of participation in and support of the Inter-American Defense College.

Sec. 1209. Plan on improvement of ability of national security forces of foreign countries participating in United States capacity building programs to protect civilians.

Subtitle B—Matters Relating to Afghanistan and Pakistan

Sec. 1211. Extension of authority to transfer defense articles and provide defense services to the military and security forces of Afghanistan.

Sec. 1212. Extension and modification of authority for reimbursement of certain coalition nations for support provided to United States military operations.

Sec. 1213. Special immigrant visas for Afghan allies.

Sec. 1214. Extension of authority to acquire products and services produced in countries along a major route of supply to Afghanistan.

Sec. 1215. Extension of semiannual report on enhancing security and stability in Afghanistan.


Subtitle C—Matters Relating to Syria, Iraq, and Iran

Sec. 1221. Report on United States strategy in Syria.
Sec. 1222. Extension and modification of authority to provide assistance to counter the Islamic State of Iraq and Syria.

Sec. 1223. Modification of authority to provide assistance to the vetted Syrian opposition.

Sec. 1224. Extension and modification of authority to support operations and activities of the Office of Security Cooperation in Iraq.

Sec. 1225. Modification and additional elements in annual report on the military power of Iran.

Sec. 1226. Extension of quarterly reports on confirmed ballistic missile launches from Iran and imposition of sanctions in connection with those launches.

Sec. 1227. Limitation on use of funds for provision of man-portable air defense systems to the vetted Syrian opposition.


Subtitle D—Matters Relating to the Russian Federation

Sec. 1231. Extension of limitation on military cooperation between the United States and the Russian Federation.

Sec. 1232. Prohibition on availability of funds relating to sovereignty of the Russian Federation over Crimea.

Sec. 1233. Sense of Congress on European security.

Sec. 1234. Modification and extension of Ukraine Security Assistance Initiative.

Sec. 1235. Limitation on availability of funds relating to implementation of the Open Skies Treaty.

Sec. 1236. Sense of Congress on importance of nuclear capabilities of NATO.

Sec. 1237. Report on Security Cooperation with respect to Western Balkan Countries.

Sec. 1238. Plan to respond in case of Russian noncompliance with the New START Treaty.

Sec. 1239. Strategy to counter threats by the Russian Federation.

Sec. 1239A. Strategy to counter the threat of malign influence by the Russian Federation.


Sec. 1241. Short title.

Sec. 1242. Findings.

Sec. 1243. Compliance enforcement regarding Russian violations of the INF Treaty.

Sec. 1244. Notification requirement related to Russian Federation development of noncompliant systems and United States actions regarding material breach of INF Treaty by the Russian Federation.

Sec. 1245. Review of RS–26 ballistic missile.

Sec. 1246. Definitions.

Subtitle F—Matters Relating to the Indo-Asia-Pacific Region

Sec. 1251. Sense of Congress and Initiative for the Indo-Asia-Pacific region.


Sec. 1253. Assessment of United States force posture and basing needs in the Indo-Asia-Pacific region.
Sec. 1254. Plan to enhance the extended deterrence and assurance capabilities of the United States in the Asia-Pacific region.

Sec. 1255. Sense of Congress reaffirming security commitments to the Governments of Japan and South Korea and trilateral cooperation between the United States, Japan, and South Korea.

Sec. 1256. Strategy on North Korea.

Sec. 1257. North Korean nuclear intercontinental ballistic missiles.

Sec. 1258. Advancements in defense cooperation between the United States and India.

Sec. 1259. Strengthening the defense partnership between the United States and Taiwan.

Sec. 1259A. Normalizing the transfer of defense articles and defense services to Taiwan.

Sec. 1259B. Assessment on United States defense implications of China’s expanding global access.

Sec. 1259C. Agreement supplemental to Compact of Free Association with Palau.

Sec. 1259D. Study on United States interests in the Freely Associated States.

Subtitle G—Reports

Sec. 1261. Modification of annual report on military and security developments involving the People’s Republic of China.


Sec. 1263. Report on strategy to defeat Al-Qaeda, the Taliban, the Islamic State of Iraq and Syria (ISIS), and their associated forces and co-belligerents.

Sec. 1264. Report on and notice of changes made to the legal and policy frameworks for the United States’ use of military force and related national security operations.

Sec. 1265. Report on military action of Saudi Arabia and its coalition partners in Yemen.

Sec. 1266. Submittal of Department of Defense Supplemental and Cost of War Execution reports on quarterly basis.

Sec. 1267. Consolidation of reports on United States Armed Forces, civilian employees, and contractors deployed in support of Operation Inherent Resolve, Operation Freedom’s Sentinel, and associated and successor operations.

Sec. 1268. Comptroller General of the United States report on pricing and availability with respect to foreign military sales.

Sec. 1269. Annual report on military and security developments involving the Russian Federation.

Subtitle H—Other Matters

Sec. 1271. Security and stability strategy for Somalia.


Sec. 1273. Future years plan for the European Deterrence Initiative.

Sec. 1274. Extension of authority to enter into agreements with participating countries in the American, British, Canadian, and Australian Armies’ Program.

Sec. 1275. United States military and diplomatic strategy for Yemen.

Sec. 1276. Transfer of excess high mobility multipurpose wheeled vehicles to foreign countries.
Sec. 1277. Department of Defense program to protect United States students against foreign agents.

Sec. 1278. Limitation and extension of United States-Israel anti-tunnel cooperation authority.

Sec. 1279. Anticorruption strategy.

Sec. 1279A. Strategy to improve defense institutions and security sector forces in Nigeria.

Sec. 1279B. Limitation on availability of funds to implement the Arms Trade Treaty.

Sec. 1279C. Cultural Heritage Protection Coordinator.

Sec. 1279D. Security assistance for Baltic nations for joint program for interoperability and deterrence against aggression.

Sec. 1279E. Restriction on funding for the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization.

Sec. 1279F. Clarification of authority to support border security operations of certain foreign countries.

TITLE XIII—COOPERATIVE THREAT REDUCTION

Sec. 1301. Specification of Cooperative Threat Reduction funds.

Sec. 1302. Funding allocations.

TITLE XIV—OTHER AUTHORIZATIONS

Subtitle A—Military Programs

Sec. 1401. Working capital funds.
Sec. 1402. Chemical agents and munitions destruction, defense.
Sec. 1403. Drug interdiction and counter-drug activities defense-wide.
Sec. 1405. Defense Health Program.

Subtitle B—Other Matters

Sec. 1411. Authority for transfer of funds to joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund for Captain James A. Lovell Health Care Center, Illinois.
Sec. 1412. Authorization of appropriations for Armed Forces Retirement Home.
Sec. 1413. Armed Forces Retirement Home matters.
Sec. 1414. Authority to dispose of certain materials from and to acquire additional materials for the National Defense Stockpile.
Sec. 1415. Acquisition reporting on major chemical demilitarization programs of the Department of Defense.

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

Subtitle A—Authorization of Appropriations

Sec. 1501. Purpose and treatment of certain authorizations of appropriations.
Sec. 1502. Overseas contingency operations.
Sec. 1503. Procurement.
Sec. 1504. Research, development, test, and evaluation.
Sec. 1505. Operation and maintenance.
Sec. 1506. Military personnel.
Sec. 1507. Working capital funds.
Sec. 1508. Drug Interdiction and Counter-Drug Activities, Defense-wide.
Sec. 1510. Defense Health program.

Subtitle B—Financial Matters

Sec. 1511. Treatment as additional authorizations.
Sec. 1512. Special transfer authority.

Subtitle C—Limitations, Reports, and Other Matters

Sec. 1521. Afghanistan Security Forces Fund.
Sec. 1522. Joint Improvised-Threat Defeat Fund.
Sec. 1523. Comptroller General report on feasibility of separation of expenditures.
Sec. 1524. Guidelines for budget items to be covered by overseas contingency operations accounts.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

Subtitle A—Space Activities

Sec. 1601. Space acquisition and management and oversight.
Sec. 1602. Codification, extension, and modification of limitation on construction on United States territory of satellite positioning ground monitoring stations of foreign governments.
Sec. 1603. Foreign commercial satellite services: cybersecurity threats and launches.
Sec. 1604. Extension of pilot program on commercial weather data.
Sec. 1605. Evolved Expendable Launch Vehicle modernization and sustainment of assured access to space.
Sec. 1606. Demonstration of backup and complementary positioning, navigation, and timing capabilities of Global Positioning System.
Sec. 1607. Enhancement of positioning, navigation, and timing capacity.
Sec. 1608. Commercial satellite communications pathfinder program.
Sec. 1609. Launch support and infrastructure modernization.
Sec. 1610. Limitation on availability of funding for Joint Space Operations Center mission system.
Sec. 1611. Limitation on use of funds for Delta IV launch vehicle.
Sec. 1612. Air Force space contractor responsibility watch list.
Sec. 1613. Certification and briefing on operational and contingency plans for loss or degradation of space capabilities.
Sec. 1614. Report on protected satellite communications.
Sec. 1615. Sense of Congress on establishment of Space Flag training event.
Sec. 1616. Sense of Congress on coordinating efforts to prepare for space weather events.
Sec. 1617. Sense of Congress on National Space Defense Center.

Subtitle B—Defense Intelligence and Intelligence-Related Activities

Sec. 1621. Security clearances for facilities of certain companies.
Sec. 1622. Extension of authority to engage in certain commercial activities.
Sec. 1623. Submission of audits of commercial activity funds.
Sec. 1624. Clarification of annual briefing on the intelligence, surveillance, and reconnaissance requirements of the combatant commands.

Sec. 1625. Consideration of service by recipients of Boren scholarships and fellowships in excepted service positions as service by such recipients under career appointments for purposes of career tenure.

Sec. 1626. Review of support provided by Defense intelligence elements to acquisition activities of the Department.

Sec. 1627. Establishment of Chairman’s controlled activity within Joint Staff for intelligence, surveillance, and reconnaissance.

Sec. 1628. Requirements relating to multi-use sensitive compartmented information facilities.

Sec. 1629. Limitation on availability of funds for certain counterintelligence activities.

Subtitle C—Cyberspace-Related Matters

PART I—GENERAL CYBER MATTERS

Sec. 1631. Notification requirements for sensitive military cyber operations and cyber weapons.

Sec. 1632. Modification to quarterly cyber operations briefings.

Sec. 1633. Policy of the United States on cyberspace, cybersecurity, and cyber warfare.

Sec. 1634. Prohibition on use of products and services developed or provided by Kaspersky Lab.

Sec. 1635. Modification of authorities relating to establishment of unified combatant command for cyber operations.

Sec. 1636. Modification of definition of acquisition workforce to include personnel contributing to cybersecurity systems.

Sec. 1637. Integration of strategic information operations and cyber-enabled information operations.

Sec. 1638. Exercise on assessing cybersecurity support to election systems of States.

Sec. 1639. Measurement of compliance with cybersecurity requirements for industrial control systems.

Sec. 1640. Strategic Cybersecurity Program.

Sec. 1641. Plan to increase cyber and information operations, deterrence, and defense.

Sec. 1642. Evaluation of agile or iterative development of cyber tools and applications.

Sec. 1643. Assessment of defense critical electric infrastructure.

Sec. 1644. Cyber posture review.

Sec. 1645. Briefing on cyber capability and readiness shortfalls.

Sec. 1646. Briefing on cyber applications of blockchain technology.

Sec. 1647. Briefing on training infrastructure for cyber mission forces.


PART II—CYBERSECURITY EDUCATION

Sec. 1649. Cyber Scholarship Program.

Sec. 1649A. Community college cyber pilot program and assessment.

Sec. 1649B. Federal Cyber Scholarship-for-Service program updates.

Sec. 1649C. Cybersecurity teaching.

Subtitle D—Nuclear Forces
Sec. 1651. Annual assessment of cyber resiliency of nuclear command and control system.
Sec. 1652. Collection, storage, and sharing of data relating to nuclear security enterprise.
Sec. 1653. Notifications regarding dual-capable F–35A aircraft.
Sec. 1654. Oversight of delayed acquisition programs by Council on Oversight of the National Leadership Command, Control, and Communications System.
Sec. 1655. Establishment of Nuclear Command and Control Intelligence Fusion Center.
Sec. 1656. Security of nuclear command, control, and communications system from commercial dependencies.
Sec. 1657. Oversight of aerial-layer programs by Council on Oversight of the National Leadership Command, Control, and Communications System.
Sec. 1658. Security classification guide for programs relating to nuclear command, control, and communications and nuclear deterrence.
Sec. 1659. Evaluation and enhanced security of supply chain for nuclear command, control, and communications and continuity of government programs.
Sec. 1660. Procurement authority for certain parts of intercontinental ballistic missile fuzes.
Sec. 1661. Presidential National Voice Conferencing System and Phoenix Air-to-Ground Communications Network.
Sec. 1662. Limitation on pursuit of certain command and control concept.
Sec. 1663. Prohibition on availability of funds for mobile variant of ground-based strategic deterrent missile.
Sec. 1664. Prohibition on reduction of the intercontinental ballistic missiles of the United States.
Sec. 1665. Modification to annual report on plan for the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery systems, and nuclear weapons command and control system.
Sec. 1666. Establishment of procedures for implementation of Nuclear Enterprise Review.
Sec. 1667. Report on impacts of nuclear proliferation.
Sec. 1668. Certification that the Nuclear Posture Review addresses deterrent effect and operation of United States nuclear forces in current and future security environments.
Sec. 1669. Plan to manage Integrated Tactical Warning and Attack Assessment System and multi-domain sensors.
Sec. 1670. Certification requirement with respect to strategic radiation hardened trusted microelectronics.
Sec. 1671. Nuclear Posture Review.
Sec. 1672. Sense of Congress on importance of independent nuclear deterrent of United Kingdom.

Subtitle E—Missile Defense Programs

Sec. 1676. Administration of missile defense and defeat programs.
Sec. 1677. Condition for proceeding beyond low-rate initial production.
Sec. 1678. Preservation of the ballistic missile defense capacity of the Army.
Sec. 1679. Modernization of Army lower tier air and missile defense sensor.
Sec. 1680. Defense of Hawaii from North Korean ballistic missile attack.
Sec. 1681. Designation of location of continental United States interceptor site.
Sec. 1682. Aegis Ashore anti-air warfare capability.
Sec. 1683. Development of persistent space-based sensor architecture.
Sec. 1684. Iron Dome short-range rocket defense system and Israeli Coopera-
tive Missile Defense Program co-development and co-produ-
tion.
Sec. 1685. Boost phase ballistic missile defense.
Sec. 1686. Ground-based interceptor capability, capacity, and reliability.
Sec. 1687. Limitation on availability of funds for ground-based midcourse de-
fense element of the ballistic missile defense system.
Sec. 1688. Plan for development of space-based ballistic missile intercept layer.
Sec. 1689. Sense of Congress on the state of the missile defense of the United
States.
Sec. 1690. Sense of Congress and report on ground-based midcourse defense
testing.

Subtitle F—Other Matters

Sec. 1691. Commission to Assess the Threat to the United States From Elec-
tromagnetic Pulse Attacks and Similar Events.
Sec. 1692. Protection of certain facilities and assets from unmanned aircraft.
Sec. 1693. Conventional prompt global strike weapons system.
Sec. 1694. Business case analysis regarding ammonium perchlorate.
Sec. 1695. Report on industrial base for large solid rocket motors and related
technologies.
Sec. 1696. Pilot program on enhancing information sharing for security of sup-
ply chain.
Sec. 1697. Pilot program on electromagnetic spectrum mapping.
Sec. 1698. Use of commercial items in Distributed Common Ground Systems.

TITLE XVII—SMALL BUSINESS PROCUREMENT AND INDUSTRIAL
BASE MATTERS

Sec. 1701. Amendments to HUBZone provisions of the Small Business Act.
Sec. 1702. Uniformity in procurement terminology.
Sec. 1703. Improving reporting on small business goals.
Sec. 1704. Responsibilities of Business Opportunity Specialists.
Sec. 1705. Responsibilities of commercial market representatives.
Sec. 1706. Modification of past performance pilot program to include consider-
ation of past performance with allies of the United States.
Sec. 1707. Notice of cost-free Federal procurement technical assistance in con-
nection with registration of small business concerns on procure-
ment websites of the Department of Defense.
Sec. 1708. Inclusion of SBIR and STTR programs in technical assistance.
Sec. 1709. Requirements relating to competitive procedures and justification for
awards under the SBIR and STTR programs.
Sec. 1710. Pilot program for streamlined technology transition from the SBIR
and STTR programs of the Department of Defense.
Sec. 1711. Pilot program on strengthening manufacturing in the defense indus-
trial base.
Sec. 1712. Review regarding applicability of foreign ownership, control, or in-
fluence requirements of National Industrial Security Program
to national technology and industrial base companies.
Sec. 1713. Report on sourcing of tungsten and tungsten powders from domestic
producers.
Sec. 1714. Report on utilization of small business concerns for Federal con-
tracts.
TITLE XVIII—GOVERNMENT PURCHASE AND TRAVEL CARDS

Sec. 1801. Short title.
Sec. 1802. Definitions.
Sec. 1803. Expanded use of data analytics.
Sec. 1804. Guidance on improving information sharing to curb improper payments.
Sec. 1805. Interagency charge card data management group.
Sec. 1806. Reporting requirements.

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

Sec. 2002. Expiration of authorizations and amounts required to be specified by law.
Sec. 2003. Effective date.

TITLE XXI—ARMY MILITARY CONSTRUCTION

Sec. 2101. Authorized Army construction and land acquisition projects.
Sec. 2102. Family housing.
Sec. 2103. Improvements to military family housing units.
Sec. 2104. Authorization of appropriations, Army.
Sec. 2105. Modification of authority to carry out certain fiscal year 2014 project.
Sec. 2106. Modification of authority to carry out certain fiscal year 2015 project.
Sec. 2107. Extension of authorization of certain fiscal year 2014 project.
Sec. 2108. Extension of authorizations of certain fiscal year 2015 projects.

TITLE XXII—NAVY MILITARY CONSTRUCTION

Sec. 2201. Authorized Navy construction and land acquisition projects.
Sec. 2202. Family housing.
Sec. 2203. Improvements to military family housing units.
Sec. 2204. Authorization of appropriations, Navy.
Sec. 2205. Extension of authorizations for certain fiscal year 2014 projects.
Sec. 2206. Extension of authorizations of certain fiscal year 2015 projects.

TITLE XXIII—AIR FORCE MILITARY CONSTRUCTION

Sec. 2301. Authorized Air Force construction and land acquisition projects.
Sec. 2302. Family housing.
Sec. 2303. Improvements to military family housing units.
Sec. 2305. Modification of authority to carry out certain fiscal year 2017 projects.
Sec. 2306. Extension of authorizations of certain fiscal year 2015 projects.

TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION

Sec. 2401. Authorized Defense Agencies construction and land acquisition projects.
Sec. 2402. Authorized energy resiliency and conservation projects.
Sec. 2404. Modification of authority to carry out certain fiscal year 2017 project.
Sec. 2405. Extension of authorizations of certain fiscal year 2014 projects.
Sec. 2406. Extension of authorizations of certain fiscal year 2015 projects.

TITLE XXV—INTERNATIONAL PROGRAMS

Subtitle A—North Atlantic Treaty Organization Security Investment Program
Sec. 2501. Authorized NATO construction and land acquisition projects.
Sec. 2502. Authorization of appropriations, NATO.

Subtitle B—Host Country In-Kind Contributions
Sec. 2511. Republic of Korea funded construction projects.
Sec. 2512. Modification of authority to carry out certain fiscal year 2017 projects.

TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES

Subtitle A—Project Authorizations and Authorization of Appropriations
Sec. 2601. Authorized Army National Guard construction and land acquisition projects.
Sec. 2602. Authorized Army Reserve construction and land acquisition projects.
Sec. 2603. Authorized Navy Reserve and Marine Corps Reserve construction and land acquisition projects.
Sec. 2604. Authorized Air National Guard construction and land acquisition projects.
Sec. 2605. Authorized Air Force Reserve construction and land acquisition projects.
Sec. 2606. Authorization of appropriations, National Guard and Reserve.

Subtitle B—Other Matters
Sec. 2611. Modification of authority to carry out certain fiscal year 2015 project.
Sec. 2612. Extension of authorizations of certain fiscal year 2014 projects.
Sec. 2613. Extension of authorizations of certain fiscal year 2015 projects.

TITLE XXVII—BASE REALIGNMENT AND CLOSURE ACTIVITIES
Sec. 2701. Authorization of appropriations for base realignment and closure activities funded through Department of Defense base closure account.
Sec. 2702. Prohibition on conducting additional base realignment and closure (BRAC) round.

TITLE XXVIII—MILITARY CONSTRUCTION GENERAL PROVISIONS

Subtitle A—Military Construction Program and Military Family Housing
Sec. 2801. Elimination of written notice requirement for military construction activities and reliance on electronic submission of notifications and reports.
Sec. 2802. Modification of thresholds applicable to unspecified minor construction projects.
Sec. 2803. Annual locality adjustment of dollar thresholds applicable to unspecified minor military construction authorities.

Sec. 2804. Extension of temporary, limited authority to use operation and maintenance funds for construction projects outside the United States.

Sec. 2805. Use of operation and maintenance funds for military construction projects to replace facilities damaged or destroyed by natural disasters or terrorism incidents.

Sec. 2806. Annual report on unfunded requirements for laboratory military construction projects.

Subtitle B—Real Property and Facilities Administration

Sec. 2811. Elimination of written notice requirement for military real property transactions and reliance on electronic submission of notifications and reports.

Sec. 2812. Certification related to certain acquisitions or leases of real property.

Sec. 2813. Increased term limit for intergovernmental support agreements to provide installation support services.

Sec. 2814. Authorizing reimbursement of States for costs of suppressing wildfires caused by Department of Defense activities on State lands; restoration of lands of other Federal agencies for damage caused by Department of Defense vehicle mishaps.

Sec. 2815. Criteria for exchanges of property at military installations.

Sec. 2816. Land exchange valuation of property with reduced development that limits encroachment on military installations.

Sec. 2817. Requirements for window fall prevention devices in military family housing.

Sec. 2818. Prohibiting use of updated assessment of public schools on Department of Defense installations to supersede funding of certain projects.

Sec. 2819. Access to military installations by transportation network companies.

Subtitle C—Project Management and Oversight Reforms

Sec. 2821. Notification requirement for certain cost increases.

Sec. 2822. Annual report on schedule delays.

Sec. 2823. Report on design errors and omissions related to Fort Bliss hospital replacement project.

Sec. 2824. Report on cost increase and delay related to USSTRATCOM command and control facility project at Offutt Air Force Base.

Subtitle D—Energy Resilience

Sec. 2831. Energy resilience.

Sec. 2832. Authority to use energy cost savings for energy resilience, mission assurance, and weather damage repair and prevention measures.

Sec. 2833. Consideration of energy security and energy resilience in awarding energy and fuel contracts for military installations.

Sec. 2834. Requirement to address energy resilience in exercising utility system conveyance authority.

Sec. 2835. In-kind lease payments; prioritization of utility services that promote energy resilience.
Sec. 2836. Annual Department of Defense energy management reports.
Sec. 2837. Aggregation of energy efficiency and energy resilience projects in life cycle cost analyses.

Subtitle E—Land Conveyances

Sec. 2841. Land exchange, Naval Industrial Reserve Ordnance Plant, Sunnyvale, California.
Sec. 2842. Land conveyance, Mountain Home Air Force Base, Idaho.
Sec. 2843. Lease of real property to the United States Naval Academy Alumni Association and Naval Academy Foundation at United States Naval Academy, Annapolis, Maryland.
Sec. 2844. Land Conveyance, Natick Soldier Systems Center, Massachusetts.
Sec. 2845. Land exchange, Naval Air Station Corpus Christi, Texas.
Sec. 2846. Imposition of additional conditions on future use of Castner Range, Fort Bliss, Texas.
Sec. 2847. Land conveyance, former missile alert facility known as Quebec-01, Laramie County, Wyoming.

Subtitle F—Military Memorials, Monuments, and Museums

Sec. 2861. Recognition of the National Museum of World War II Aviation.
Sec. 2862. Principal office of Aviation Hall of Fame.
Sec. 2863. Establishment of a visitor services facility on the Arlington Ridge tract.
Sec. 2864. Modification of prohibition on transfer of veterans memorial objects to foreign governments without specific authorization in law.

Subtitle G—Other Matters

Sec. 2871. Authority of the Secretary of the Air Force to accept lessee improvements at Air Force Plant 42.
Sec. 2872. Modification of Department of Defense guidance on use of airfield pavement markings.
Sec. 2873. Authority of Chief Operating Officer of Armed Forces Retirement Home to acquire and lease property.
Sec. 2874. Restrictions on rehabilitation of Over-the-Horizon Backscatter Radar Station.
Sec. 2875. Permitting machine room-less elevators in Department of Defense facilities.
Sec. 2876. Disclosure of beneficial ownership by foreign persons of high security space leased by the Department of Defense.
Sec. 2877. Joint use of Dobbins Air Reserve Base, Marietta, Georgia, with civil aviation.
Sec. 2878. Report on hurricane damage to Department of Defense assets.
Sec. 2879. Special rules for certain projects.
Sec. 2880. Energy security for military installations in Europe.

TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION

Sec. 2901. Authorized Army construction and land acquisition projects.
Sec. 2902. Authorized Navy construction and land acquisition project.
Sec. 2903. Authorized Air Force construction and land acquisition project.
Sec. 2904. Authorized Defense Agencies construction and land acquisition project.
Sec. 2905. Authorization of appropriations.
Sec. 2906. Extension of authorization of certain fiscal year 2015 projects.

DIVISION C—DEPARTMENT OF ENERGY NATIONAL SECURITY AUTHORIZATIONS AND OTHER AUTHORIZATIONS

TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Subtitle A—National Security Programs and Authorizations

Sec. 3101. National Nuclear Security Administration.
Sec. 3102. Defense environmental cleanup.
Sec. 3103. Other defense activities.
Sec. 3104. Nuclear energy.

Subtitle B—Program Authorizations, Restrictions, and Limitations

Sec. 3111. Nuclear security enterprise infrastructure modernization initiative.
Sec. 3112. Incorporation of integrated surety architecture in transportation.
Sec. 3113. Cost estimates for life extension program and major alteration projects.
Sec. 3114. Improved information relating to certain defense nuclear nonproliferation programs.
Sec. 3115. Research and development of advanced naval reactor fuel based on low-enriched uranium.
Sec. 3116. National Nuclear Security Administration pay and performance system.
Sec. 3117. Budget requests and certification regarding nuclear weapons dismantlement.
Sec. 3118. Nuclear warhead design competition.
Sec. 3119. Modification of minor construction threshold for plant projects.
Sec. 3120. Extension of authorization of Advisory Board on Toxic Substances and Worker Health.
Sec. 3121. Use of funds for construction and project support activities relating to MOX facility.
Sec. 3122. Prohibition on availability of funds for programs in Russian Federation.

Subtitle C—Plans and Reports

Sec. 3131. Annual Selected Acquisition Reports on certain hardware relating to defense nuclear nonproliferation.
Sec. 3132. Annual reports on unfunded priorities of National Nuclear Security Administration.
Sec. 3133. Modification of certain reporting requirements.
Sec. 3134. Modification to stockpile stewardship, management, and responsiveness plan.
Sec. 3135. Assessment and development of prototype nuclear weapons of foreign countries.
Sec. 3136. Plan for verification, detection, and monitoring of nuclear weapons and fissile material.
Sec. 3137. Review of United States nuclear and radiological terrorism prevention strategy.
Sec. 3138. Assessment of management and operating contracts of national security laboratories.
Sec. 3139. Evaluation of classification of certain defense nuclear waste.
Sec. 3140. Improved reporting for anti-smuggling radiation detection systems.
Sec. 3141. Plutonium capabilities.
Sec. 3142. Report on critical decision 1 on Material Staging Facility project.
Sec. 3143. Plan to further minimize the use of highly enriched uranium for medical isotopes.

Subtitle D—Other Matters

Sec. 3151. Sense of Congress regarding compensation of individuals relating to uranium mining and nuclear testing.

TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

Sec. 3201. Authorization.

TITLE XXXIV—NAVAL PETROLEUM RESERVES

Sec. 3401. Authorization of appropriations.

TITLE XXXV—MARITIME MATTERS

Sec. 3501. Authorization of the Maritime Administration.
Sec. 3502. Merchant Ship Sales Act of 1946.
Sec. 3503. Maritime Security Fleet Program; restriction on operation for new entrants.
Sec. 3504. Codification of sections relating to acquisition, charter, and requisition of vessels.
Sec. 3505. Assistance for small shipyards.
Sec. 3506. Report on sexual assault victim recovery in the Coast Guard.
Sec. 3507. Centers of excellence.
Sec. 3508. Foreign spill protection.
Sec. 3509. Removal of adjunct professor limit at United States Merchant Marine Academy.
Sec. 3510. Acceptance of guarantees in conjunction with partial donations for major projects of the United States Merchant Marine Academy.
Sec. 3511. Authority to pay conveyance or transfer expenses in connection with acceptance of a gift to the United States Merchant Marine Academy.
Sec. 3512. Authority to participate in Federal, State or other research grants.
Sec. 3513. Provision of satellite communication devices during Sea Year program.
Sec. 3514. Actions to address sexual harassment, dating violence, domestic violence, sexual assault, and stalking at the United States Merchant Marine Academy.
Sec. 3515. Sexual assault prevention and response staff for the United States Merchant Marine Academy.
Sec. 3516. Protection of cadets at the United States Merchant Marine Academy from sexual assault onboard commercial vessels.
Sec. 3517. Training requirement for sexual assault investigators.

DIVISION D—FUNDING TABLES

Sec. 4001. Authorization of amounts in funding tables.

TITLE XLII—PROCUREMENT

Sec. 4101. Procurement.
Sec. 4102. Procurement for overseas contingency operations.
TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Sec. 4201. Research, development, test, and evaluation.
Sec. 4202. Research, development, test, and evaluation for overseas contingency operations.

TITLE XLIII—OPERATION AND MAINTENANCE

Sec. 4301. Operation and maintenance.
Sec. 4302. Operation and maintenance for overseas contingency operations.

TITLE XLIV—MILITARY PERSONNEL

Sec. 4401. Military personnel.
Sec. 4402. Military personnel for overseas contingency operations.

TITLE XLV—OTHER AUTHORIZATIONS

Sec. 4501. Other authorizations.
Sec. 4502. Other authorizations for overseas contingency operations.

TITLE XLVI—MILITARY CONSTRUCTION

Sec. 4601. Military construction.
Sec. 4602. Military construction for overseas contingency operations.

TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Sec. 4701. Department of Energy national security programs.

1 SEC. 3. CONGRESSIONAL DEFENSE COMMITTEES.

2 In this Act, the term “congressional defense committees” has the meaning given that term in section 101(a)(16) of title 10, United States Code.

5 SEC. 4. BUDGETARY EFFECTS OF THIS ACT.

6 The budgetary effects of this Act, for the purposes of complying with the Statutory Pay-As-You-Go Act of 2010, shall be determined by reference to the latest statement titled “Budgetary Effects of PAYGO Legislation” for this Act, jointly submitted for printing in the Congressional Record by the Chairmen of the House and Senate Budget Committees, provided that such statement has

VerDate Nov 24 2008 19:01 Nov 07, 2017 Jkt 000000 PO 00000 Frm 00032 Fmt 6652 Sfmt 6201 C:\USERS\HCROSS\APPDATA\ROAMING\SOFTQUAD\XMETAL\7.0\GEN\C\ASCR18.XML

November 7, 2017 (7:01 p.m.)
g:\VHLC\110717\110717.369.xml (680035|3)
been submitted prior to the vote on passage in the House acting first on the conference report or amendment between the Houses.

**DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS**

**TITLE I—PROCUREMENT**

Subtitle A—Authorization Of Appropriations

Sec. 101. Authorization of appropriations.

Subtitle B—Army Programs

Sec. 111. Authority to expedite procurement of 7.62mm rifles.
Sec. 112. Limitation on availability of funds for Increment 2 of the Warfighter Information Network-Tactical program.
Sec. 113. Limitation on availability of funds for upgrade of M113 vehicles.

Subtitle C—Navy Programs

Sec. 121. Aircraft carriers.
Sec. 122. Icebreaker vessel.
Sec. 123. Multiyear procurement authority for Arleigh Burke class destroyers.
Sec. 124. Multiyear procurement authority for Virginia class submarine program.
Sec. 125. Design and construction of the lead ship of the amphibious ship replacement designated LX(R) or amphibious transport dock designated LPD–30.
Sec. 126. Multiyear procurement authority for V–22 Osprey aircraft.
Sec. 127. Extension of limitation on use of sole-source shipbuilding contracts for certain vessels.
Sec. 128. Limitation on availability of funds for the enhanced multi-mission parachute system.
Sec. 129. Report on Navy capacity to increase production of certain rotary wing aircraft.

Subtitle D—Air Force Programs

Sec. 131. Inventory requirement for Air Force fighter aircraft.
Sec. 132. Prohibition on availability of funds for retirement of E–8 JSTARS aircraft.
Sec. 133. Requirement for continuation of JSTARS aircraft recapitalization program.
Sec. 134. Limitation on selection of single contractor for C–130H avionics modernization program increment 2.
Sec. 135. Limitation on availability of funds for EC–130H Compass Call recapitalization program.
Sec. 136. Limitation on retirement of U–2 and RQ–4 aircraft.
Sec. 137. Cost-benefit analysis of upgrades to MQ–9 Reaper aircraft.
Sec. 138. Plan for modernization of the radar for F–16 fighter aircraft of the National Guard.

Sec. 139. Comptroller General review of Air Force fielding plan for HH–60 replacement programs.

Subtitle E—Defense-wide, Joint, and Multiservice Matters

Sec. 141. F–35 economic order quantity contracting authority.

Sec. 142. Authority for explosive ordnance disposal units to acquire new or emerging technologies and capabilities.

Sec. 143. Requirement that certain aircraft and unmanned aerial vehicles use specified standard data link.

Sec. 144. Reinstatement of requirement to preserve certain C–5 aircraft; mobility capability and requirements study.

Subtitle A—Authorization Of Appropriations

SEC. 101. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2018 for procurement for the Army, the Navy and the Marine Corps, the Air Force, and Defense-wide activities, as specified in the funding table in section 4101.

Subtitle B—Army Programs

SEC. 111. AUTHORITY TO EXPEDITE PROCUREMENT OF 7.62MM RIFLES.

(a) 7.62mm Rifles.—

(1) Procurement Authority.—The Secretary of the Army is authorized to expedite the procurement of a commercially available off-the-shelf item or nondevelopmental item for a 7.62mm rifle capability in accordance with this section.

(2) Limitation.—The Secretary of the Army may use the authority under paragraph (1) to procure only the following:
(A) Not more than 7,000 7.62mm rifles.

(B) Equipment and ammunition associated with such rifles.

(3) CONTRACTING PROCEDURES.—

(A) FULL AND OPEN COMPETITION.—In awarding contracts under paragraph (1), the Secretary of the Army shall use full and open competition to the extent practicable.

(B) PROCEDURES OTHER THAN FULL AND OPEN COMPETITION.—The Secretary of the Army may not award a contract under paragraph (1) using procedures other than full and open competition until a period of 10 days has elapsed following the date on which the Secretary submits to the congressional committees the report described in subparagraph (C).

(C) REPORT.—The report described in this subparagraph is a report of the Secretary of the Army that includes—

(i) a detailed justification for limiting full and open competition for the procurement authorized under paragraph (1);

(ii) a description of the objectives, costs, and timelines associated with the procurement; and
(iii) an assessment of the projected impact of the procurement on any related programs in terms of cost, schedule, and the use of full and open competition in such programs.

(b) RELATED PROGRAMS.—

(1) IN GENERAL.—The Secretary of the Army is authorized to use funds made available to carry out subsection (a)—

(A) to accelerate by two years the squad designated marksman rifle program of the Army;

(B) to accelerate by two years the advanced armor piercing ammunition program of the Army; and

(C) subject to paragraph (2), to accelerate the next generation squad weapon program of the Army.

(2) FULL AND OPEN COMPETITION.—Any contract awarded under the next generation squad weapon program of the Army shall be awarded using full and open competition.

(e) DEFINITIONS.—In this section, the terms “commercially available off-the-shelf item”, “full and open competition”, and “nondevelopmental item” have the mean-
SEC. 112. LIMITATION ON AVAILABILITY OF FUNDS FOR INCREMENT 2 OF THE WARFIGHTER INFORMATION NETWORK-TACTICAL PROGRAM.

(a) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2018 for Increment 2 of the Warfighter Information Network-Tactical program of the Army (referred to in this section as “WIN-T Increment 2”) not more than 50 percent may be used to enter into, or to prepare to enter into, a contract for the procurement of equipment under the program until the date on which the Secretary of the Army submits the report under subsection (b).

(b) REPORT.—Not later than January 31, 2018, the Secretary of the Army, in consultation with the Chief of Staff of the Army, shall submit to the congressional defense committees a report on the strategy of the Army for modernizing air-land ad-hoc, mobile tactical communications and data networks.

(c) ELEMENTS.—The report under subsection (b) shall include the following:
(1) A description of the strategy of the Army for modernizing air-land ad-hoc, mobile tactical communications and data networks.

(2) The justification, rationale, and decision points for the strategy, including how network requirements are being redefined.

(3) How the Army intends to implement the recommendations accepted by the Secretary of the Army related to air-land ad-hoc, mobile tactical communications and data networks provided by the Director of Cost Assessment and Program Evaluation pursuant to section 237 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 781).

(4) How the Army will address the vulnerabilities identified by the report of the Director of Cost Assessment and Program Evaluation on the mobile, ad-hoc network against a modern peer adversary capable of cyber and electronic warfare detection and intrusion.

(5) A timeline and decision points for upgrading fielded WIN-T Increment 1B systems.

(6) A list of planned upgrades for components of WIN-T Increment 2 designed to improve program capabilities, including size, weight, and complexity,
including the impact of these improvements on the
cost of the program, as well as fielding schedules for
Army Brigade Combat Teams.

(7) How the strategy will reduce Army reliance
on satellite communications, including procurement
and test strategies for more resilient and secure
mid-tier line of sight capability.

(8) How the strategy will address identified
joint interoperability capability gaps, specifically for
units known as “fight tonight” units, including pro-
curement and test plans for identified solutions.

(9) Decision points associated with the near
term modernization strategy for mitigating oper-
tional capability gaps for such “fight tonight”
units.

(10) The decision points and timelines associ-
ated with the fielding of modernized mobile tactical
network communications to the reserve components
of the Army.

(11) The planned funding and program realign-
ments required for fiscal year 2018 and across the
future years defense program that will be required
to support the new strategy.

(12) Identification of the changes in acquisition
policy as well as operational requirements being im-
implemented to deliver an effective, suitable, and sur-
vivable network to the warfighter.

(13) Identification of the changes in leadership
and governance that will be associated with the new
strategy.

(d) FORM OF REPORT.—The report required by sec-
tion (b) shall be submitted in unclassified form, but may
include a classified annex.

SEC. 113. LIMITATION ON AVAILABILITY OF FUNDS FOR UP-
GRADE OF M113 VEHICLES.

(a) LIMITATION.—Of the funds authorized to be ap-
propriated by this Act or otherwise made available for fis-
cal year 2018 for the upgrade of M113 vehicles of the
Army, not more than 50 percent may be obligated or ex-
pended until the date on which Secretary of the Army sub-
mits to the congressional defense committees the report
described in subsection (b).

(b) REPORT.—The report described in this subsection
is a report setting forth the strategy of the Army for the
upgrade of M113 vehicles that includes the following:

(1) A detailed strategy for upgrading and field-
ing M113 vehicles.

(2) An analysis of the manner in which the
Army plans to address M113 vehicle survivability
and maneuverability concerns.
(3) An analysis of the historical costs associated with upgrading M113 vehicles, and a validation of current cost estimates for upgrading such vehicles.

(4) A comparison of—

(A) the total procurement and life cycle costs of adding an echelon above brigade requirement to the Army Multi-Purpose Vehicle; and

(B) the total procurement and life cycle costs of upgrading legacy M113 vehicles.

(5) An analysis of the possibility of further accelerating Army Multi-Purpose Vehicle production or modifying the fielding strategy for the Army Multi-Purpose Vehicle to meet near-term echelon above brigade requirements.

Subtitle C—Navy Programs

SEC. 121. AIRCRAFT CARRIERS.

(1) in subsection (a), by striking paragraph (2) and inserting the following:

“(2) CARRIER DESIGNATED AS CVN–79.—The total amount obligated from funds appropriated or otherwise made available for Shipbuilding and Conversion, Navy, or for any other procurement account, for the aircraft carrier designated as CVN–79 may not exceed $11,398,000,000 (as adjusted pursuant to subsection (b)).

“(3) FOLLOW-ON SHIPS.—The total amount obligated from funds appropriated or otherwise made available for Shipbuilding and Conversion, Navy, or for any other procurement account, for any ship that is constructed in the CVN–78 class of aircraft carriers after the aircraft carrier designated as CVN–79 may not exceed $12,568,000,000 (as adjusted pursuant to subsection (b)).”;

(2) in subsection (b), by amending paragraph (1) to read as follows:

“(1) The amounts of increases or decreases in costs attributable to economic inflation—

“(A) after September 30, 2013, in the case of the aircraft carrier designated as CVN–79; and
“(B) after September 30, 2017, in the case of any ship that is constructed in the CVN–78 class of aircraft carriers after the aircraft carrier designated as CVN–79.”; and

(3) by adding at the end the following:

“(g) Exclusion of Battle and Interim Spares From Cost Limitation.—The Secretary of the Navy shall exclude from the determination of the amounts set forth in paragraphs (2) and (3) of subsection (a), the costs of the following items:

“(1) CVN–78 class battle spares.

“(2) Interim spares.”.

(b) Waiver on Limitation of Availability of Funds for CVN–79.—The Secretary of Defense may waive subsections (a) and (b) of section 128 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 751) after a period of 60 days has elapsed following the date on which the Secretary submits to the congressional defense committees a written notification of the intent of the Secretary to issue such a waiver. The Secretary shall include in any such notification the following:

(1) The rationale of the Secretary for issuing the waiver.
(2) The revised test and evaluation master plan that describes when full ship shock trials will be held on Ford-class aircraft carriers.

(3) A certification that the Secretary has analyzed and accepted the operational risk of the U.S.S. Gerald R. Ford deploying without having conducted full ship shock trials, and that the Secretary has not delegated the decision to issue such waiver.

SEC. 122. ICEBREAKER VESSEL.

(a) Authority to Procure One Polar-Class Heavy Icebreaker.—

(1) In General.—There is authorized to be procured for the Coast Guard one polar-class heavy icebreaker vessel.

(2) Condition for Out-Year Contract Payments.—A contract entered into under paragraph (1) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2018 is subject to the availability of appropriations or funds for that purpose for such later fiscal year.

(b) Limitation on Availability of Funds for Procurement of Icebreaker Vessels.—None of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for
any fiscal year that are unobligated as of the date of the enactment of this Act may be obligated or expended for the procurement of an icebreaker vessel other than the one polar-class heavy icebreaker vessel authorized to be procured under subsection (a)(1).

(c) Contracting Authority.—

(1) COAST GUARD.—If funds are appropriated to the department in which the Coast Guard is operating to carry out subsection (a)(1), the head of contracting activity for the Coast Guard shall be responsible for contracting actions carried out using such funds.

(2) NAVY.—If funds are appropriated to the Department of Defense to carry out subsection (a)(1), the head of contracting activity for the Navy, Naval Sea Systems Command shall be responsible for contracting actions carried out using such funds.

(3) INTERAGENCY ACQUISITION.—Notwithstanding paragraphs (1) and (2), the head of contracting activity for the Coast Guard or head of contracting activity for the Navy, Naval Sea Systems Command (as the case may be) may authorize inter-agency acquisitions that are within the authority of such head of contracting activity.

(d) Comptroller General Report.—
(1) In general.—Not later than March 1, 2018, the Comptroller General of the United States shall submit to the congressional defense committees, the Committee on Commerce, Science, and Transportation of the Senate, and the Committee on Transportation and Infrastructure of the House of Representatives a report assessing the cost of, and schedule for, the procurement of new icebreaker vessels for the Federal Government.

(2) Elements.—The report under paragraph (1) shall include an analysis of the following:

(A) The status of the efforts of the Coast Guard to acquire new icebreaking capability, including an explanation of how such efforts are coordinated through the integrated program office.

(B) Actions taken by the Coast Guard to incorporate key practices of other countries with respect to the procurement of icebreaker vessels to increase the Coast Guard’s knowledge of, and to reduce the costs and risks of, procuring such vessels.

(C) The extent to which the cost and schedule for the construction of Coast Guard
icebreakers differs from such cost and schedule in other countries.

(D) The extent to which innovative acquisition practices (such as multiyear funding and block buys) may be applied to the procurement of icebreaker vessels to reduce the costs and accelerate the schedule of such procurement.

(E) A capacity replacement plan to mitigate a potential icebreaker capability gap if the Polar Star cannot remain in service.

(F) Any other matters the Comptroller General considers appropriate.

SEC. 123. MULTIYEAR PROCUREMENT AUTHORITY FOR ARLEIGH BURKE CLASS DESTROYERS.

(a) Authority for Multiyear Procurement.—Subject to section 2306b of title 10, United States Code, the Secretary of the Navy may enter into one or more multiyear contracts for the procurement of up to 15 Arleigh Burke class Flight III guided missile destroyers.

(b) Authority for Advance Procurement.—The Secretary of the Navy may enter into one or more contracts, beginning in fiscal year 2018, for advance procurement associated with the destroyers for which authorization to enter into a multiyear procurement contract is provided under subsection (a), and for systems and sub-
systems associated with such destroyers in economic order quantities when cost savings are achievable.

(c) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2018 is subject to the availability of appropriations or funds for that purpose for such later fiscal year.

(d) LIMITATION.—The Secretary of the Navy may not modify a contract entered into under subsection (a) if the modification would increase the target price of the destroyer by more than 10 percent above the target price specified in the original contract awarded for the destroyer under subsection (a).

SEC. 124. MULTIYEAR PROCUREMENT AUTHORITY FOR VIRGINIA CLASS SUBMARINE PROGRAM.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of the Navy may enter into one or more multiyear contracts for the procurement of not more than 13 Virginia class submarines.

(b) LIMITATION.—The Secretary of the Navy may not modify a contract entered into under subsection (a) if the modification would increase the target price of the submarine by more than 10 percent above the target price
specified in the original contract awarded for the submarine under subsection (a).

(c) Authority for Advance Procurement.—The Secretary of the Navy may enter into one or more contracts, beginning in fiscal year 2018, for advance procurement associated with the Virginia class submarines for which authorization to enter into a multiyear procurement contract is provided under subsection (a) and for equipment or subsystems associated with the Virginia class submarine program, including procurement of—

(1) long lead time material; or

(2) material or equipment in economic order quantities when cost savings are achievable.

(d) Condition for Out-Year Contract Payments.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations or funds for that purpose for such later fiscal year.

(e) Limitation on Termination Liability.—A contract for the construction of Virginia class submarines entered into under subsection (a) shall include a clause that limits the liability of the United States to the contractor for any termination of the contract. The maximum liability of the United States under the clause shall be the
amount appropriated for the submarines covered by the contract regardless of the amount obligated under the contract.

(f) Virginia Class Submarine Defined.—The term “Virginia class submarine” means a block V configured Virginia class submarine.


(a) In General.—Using funds authorized to be appropriated for the Department of Defense for Shipbuilding and Conversion, Navy, the Secretary of the Navy may enter into a contract, beginning with the fiscal year 2018 program year, for the design and construction of—

(1) the lead ship of the amphibious ship replacement class designated LX(R); or

(2) the amphibious transport dock designated LPD–30.

(b) Use of Incremental Funding.—With respect to the contract entered into under subsection (a), the Secretary may use incremental funding to make payments under the contract.

(c) Condition for Out-Year Contract Payments.—The contract entered into under subsection (a)
shall provide that any obligation of the United States to make a payment under such contract for any fiscal year after fiscal year 2018 is subject to the availability of appropriations for that purpose for such later fiscal year.

SEC. 126. MULTIYEAR PROCUREMENT AUTHORITY FOR V–22 OSPREY AIRCRAFT.

(a) Authority for Multiyear Procurement.—Subject to section 2306b of title 10, United States Code (except as provided in subsection (b)), the Secretary of the Navy may enter into one or more multiyear contracts, beginning with the 2018 program year, for the procurement of the following:

(1) V–22 Osprey aircraft.

(2) Common configuration-readiness and modernization upgrades for V–22 Osprey aircraft.

(b) Contract Period.—Notwithstanding section 2306b(k) of title 10, United States Code, the period covered by a contract entered into on a multiyear basis under the authority of subsection (a) may exceed five years, but may not exceed seven years.

(c) Condition for Out-Year Contract Payments.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after
fiscal year 2018 is subject to the availability of appropriations or funds for that purpose for such later fiscal year.

SEC. 127. EXTENSION OF LIMITATION ON USE OF SOLE-SOURCE SHIPBUILDING CONTRACTS FOR CERTAIN VESSELS.

Section 124 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended by striking “2017” and inserting “2017 or fiscal year 2018”.

SEC. 128. LIMITATION ON AVAILABILITY OF FUNDS FOR THE ENHANCED MULTI-MISSION PARACHUTE SYSTEM.

(a) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2018 for the enhanced multi-mission parachute system, not more than 80 percent may be used to enter into, or to prepare to enter into, a contract for the procurement of such parachute system until the date on which the Secretary of the Navy submits to the congressional defense committees the certification under subsection (b) and the report under subsection (c).

(b) CERTIFICATION.—Not later than 90 days after the date of the enactment of this Act, the Secretary of
the Navy shall submit to the congressional defense committees a certification that states—

(1) whether the multi-mission parachute system fielded by the Marine Corps meets Marine Corps requirements;

(2) whether the RA–1 parachute system of the Army meets Marine Corps requirements;

(3) whether the PARIS, Special Application Parachute of the Marine Corps meets Marine Corps requirements;

(4) whether the testing plan for the enhanced multi-mission parachute system meets all applicable regulatory requirements; and

(5) whether the Department of the Navy has determined that a high glide canopy parachute system is as safe and effective as the fielded free fall parachute systems.

(c) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a report that includes—

(1) an explanation for using the Parachute Industry Association specification for a military parachute given that sports parachutes are deployed
from relatively slow flying civilian aircraft at altitudes below 10,000 feet;

(2) a cost estimate for any new equipment and training that the Marine Corps will require in order to use a high glide parachute;

(3) justification for why the Department of the Navy is not conducting any testing of parachutes until first article testing; and

(4) an assessment of the risks associated with high glide canopy parachutes with a focus on how the Department of the Navy will mitigate the risk of malfunctions experienced in other high glide canopy parachute programs.

SEC. 129. REPORT ON NAVY CAPACITY TO INCREASE PRODUCTION OF CERTAIN ROTARY WING AIRCRAFT.

(a) REPORT.—Not later than March 30, 2018, the Secretary of the Navy shall submit to the congressional defense committees a report that describes and assesses the capacity of the Navy to increase production of the aircraft described in subsection (b), taking into account an increase in the size of the surface fleet of the Navy to 355 ships.

(b) AIRCRAFT DESCRIBED.—The aircraft described in this subsection are the following:
(1) Anti-submarine warfare rotary wing aircraft.

(2) Search and rescue rotary wing aircraft.

Subtitle D—Air Force Programs

SEC. 131. INVENTORY REQUIREMENT FOR AIR FORCE FIGHTER AIRCRAFT.

(a) INVENTORY REQUIREMENT.—Section 8062 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(i)(1) During the period beginning on October 1, 2017, and ending on October 1, 2022, the Secretary of the Air Force shall maintain a total aircraft inventory of fighter aircraft of not less than 1,970 aircraft, and a total primary mission aircraft inventory (combat-coded) of not less than 1,145 fighter aircraft.

“(2) In this subsection:

“(A) The term ‘fighter aircraft’ means an aircraft that—

“(i) is designated by a mission design series prefix of F– or A–;

“(ii) is manned by one or two crew-members; and

“(iii) executes single-role or multi-role missions, including air-to-air combat, air-to-ground attack, air interdiction, suppression or destruct-
tion of enemy air defenses, close air support, strike control and reconnaissance, combat search and rescue support, or airborne forward air control.

“(B) The term ‘primary mission aircraft inventory’ means aircraft assigned to meet the primary aircraft authorization to a unit for the performance of its wartime mission.”.

(b) LIMITATION ON RETIREMENT OF AIR FORCE FIGHTER AIRCRAFT.—

(1) LIMITATION.—Except as provided in subsection (c), during the period beginning on October 1, 2017, and ending on October 1, 2022, the Secretary of the Air Force may not proceed with a decision to retire fighter aircraft in any number that would reduce the total number of such aircraft in the Air Force total active inventory below 1,970, and shall maintain a minimum of 1,145 fighter aircraft designated as primary mission aircraft inventory.

(2) ADDITIONAL LIMITATIONS ON RETIREMENT OF FIGHTER AIRCRAFT.—Except as provided in subsection (c), during the period beginning on October 1, 2017, and ending on October 1, 2022, the Secretary of the Air Force may not retire fighter aircraft from the total active inventory as of the date
of the enactment of this Act until the later of the following:

(A) The date that is 30 days after the date on which the Secretary submits the report required under paragraph (3).

(B) The date that is 30 days after the date on which the Secretary certifies to the congressional defense committees that—

(i) the retirement of such fighter aircraft will not increase the operational risk of meeting the National Defense Strategy; and

(ii) the retirement of such aircraft will not reduce the total fighter force structure below 1,970 fighter aircraft or the primary mission aircraft inventory below 1,145.

(3) REPORT ON RETIREMENT OF AIRCRAFT.—The Secretary of the Air Force shall submit to the congressional defense committees a report setting forth the following:

(A) The rationale for the retirement of existing fighter aircraft and an operational analysis of the portfolio of capabilities of the Air Force that demonstrates performance of the
designated mission at an equal or greater level of effectiveness as the retiring aircraft.

(B) An assessment of the implications for the Air Force, the Air National Guard, and the Air Force Reserve of the force mix ratio of fighter aircraft.

(C) Such other matters relating to the retirement of fighter aircraft as the Secretary considers appropriate.

(c) Exception for Certain Aircraft.—The requirement of subsection (b) does not apply to individual fighter aircraft that the Secretary of the Air Force determines, on a case-by-case basis, to be non-operational because of mishaps, other damage, or being uneconomical to repair.

(d) Fighter Aircraft Defined.—In this section, the term “fighter aircraft” has the meaning given the term in subsection (i)(2)(A) of section 8062 of title 10, United States Code, as added by subsection (a) of this section.

SEC. 132. PROHIBITION ON AVAILABILITY OF FUNDS FOR RETIREMENT OF E-8 JSTARS AIRCRAFT.

(a) Prohibition on Availability of Funds for Retirement.—Except as provided by subsection (b), none of the funds authorized to be appropriated by this
Act or otherwise made available for fiscal year 2018 for
the Air Force may be obligated or expended to retire, or
prepare to retire, any E–8 Joint Surveillance Target At-
tack Radar System aircraft.

(b) EXCEPTION.—The prohibition in subsection (a)
shall not apply to individual E–8 Joint Surveillance Tar-
get Attack Radar System aircraft that the Secretary of
the Air Force determines, on a case-by-case basis, to be
non-operational because of mishaps, other damage, or
being uneconomical to repair.

SEC. 133. REQUIREMENT FOR CONTINUATION OF JSTARS
AIRCRAFT RECAPITALIZATION PROGRAM.

(a) IN GENERAL.—If the budget request submitted
to Congress for any fiscal year includes a request by the
Secretary of the Air Force to cancel or modify the
JSTARS aircraft recapitalization program, the Secretary
of Defense shall submit, as part of such budget request,
the report described in subsection (b).

(b) REPORT.—The report described in this sub-
section, is a report that includes the following:

(1) The assumptions, rationale, and all analysis
supporting the proposed cancellation or modification
of the JSTARS aircraft recapitalization program.

(2) An assessment of the implications of such
cancellation or modification for meeting the mission
requirements for air battle management and moving target indicator intelligence discipline of the Air Force, the Air National Guard, the Army, the Army National Guard, the Navy and Marine Corps, and the combatant commands.

(3) A certification that the plan for the cancellation or modification of the recapitalization program would not result in an increased time during which there is a capability or capacity gap in providing battlefield management, command and control and intelligence, surveillance, and reconnaissance capabilities to the combatant commanders.

(4) Such other matters relating to the proposed cancellation or modification as the Secretary considers appropriate.

(c) FORM OF REPORT.—The report under subsection (b) shall be submitted in unclassified form, but may include a classified annex.

(d) DEFINITIONS.—In this section:

(1) The term “budget request” means the budget materials submitted by the Secretary of Defense in support of the budget of the President for a fiscal year (submitted to Congress pursuant to section 1105 of title 31, United States Code).
(2) The term “JSTARS aircraft recapitalization program” means the recapitalization program for the E–8C Joint Surveillance Target Attack Radar System aircraft as such program is proposed to be carried out in the budget request submitted to Congress for fiscal year 2018.

SEC. 134. LIMITATION ON SELECTION OF SINGLE CONTRACTOR FOR C–130H AVIONICS MODERNIZATION PROGRAM INCREMENT 2.

(a) LIMITATION.—The Secretary of the Air Force may not select only a single prime contractor to carry out increment 2 of the C–130H avionics modernization program until the Secretary submits to the congressional defense committees a written certification that, in selecting such a single prime contractor—

(1) the Secretary will ensure, to the extent practicable, that commercially available off-the-shelf items are used under the program, including technology solutions and nondevelopmental items; and

(2) excessively restrictive military specification standards will not be used to restrict or eliminate full and open competition in the selection process.

(b) DEFINITIONS.—In this section, the terms “commercially available off-the-shelf item”, “full and open competition”, and “nondevelopmental item” have the mean-
ings given the terms in chapter 1 of title 41, United States Code.

SEC. 135. LIMITATION ON AVAILABILITY OF FUNDS FOR EC–130H COMPASS CALL RECAPITALIZATION PROGRAM.

(a) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for any fiscal year for the EC–130H Compass Call recapitalization program of the Air Force may be obligated until a period of 30 days has elapsed following the date on which the Under Secretary of Defense for Acquisition, Technology, and Logistics submits to the congressional defense committees the certification described in subsection (b).

(b) CERTIFICATION.—The certification described in this subsection is a written statement certifying that—

(1) an independent review of the acquisition process for the EC–130H Compass Call recapitalization program of the Air Force has been conducted; and

(2) as a result of such review, it has been determined that the acquisition process for such program complies with all applicable laws, guidelines, and best practices.
SEC. 136. LIMITATION ON RETIREMENT OF U–2 AND RQ–4 AIRCRAFT.

(a) LIMITATION.—The Secretary of the Air Force may take no action that would prevent the Air Force from maintaining the fleets of U–2 aircraft or RQ–4 aircraft in their current, or improved, configurations and capabilities until—

(1) the Under Secretary of Defense for Acquisition, Technology, and Logistics certifies in writing to the appropriate committees of Congress that—

(A) in the case of the RQ–4 aircraft, the validated operating and sustainment costs of the capability developed to replace the RQ–4 aircraft are less than the validated operating and sustainment costs for the RQ–4 aircraft on a comparable flight-hour cost basis; or

(B) in the case of the U–2 aircraft, the validated operating and sustainment costs of the capability developed to replace the U–2 aircraft are less than the validated operating and sustainment costs for the U–2 aircraft on a comparable flight-hour cost basis; and

(2) the Chairman of the Joint Requirements Oversight Council certifies in writing to the appropriate committees of Congress that the capability to be fielded at the same time or before the retirement
of the U–2 aircraft or RQ-4 aircraft (as the case
may be) would result in equal or greater capability
available to the commanders of the combatant com-
mands and would not result in less capacity avail-
able to the commanders of the combatant com-
mands.

(b) WAIVER.—The Secretary of Defense may waive
the certification requirement under subsection (a)(1) with
respect to U–2 aircraft or RQ–4 aircraft if the Sec-
retary—

(1) determines, after analyzing sufficient and
relevant data, that a greater capability is worth in-
creased operating and sustainment costs; and

(2) provides to the appropriate committees of
Congress a certification of such determination and
supporting analysis.

(c) APPROPRIATE COMMITTEES OF CONGRESS DE-
FINED.—In this section, the term “appropriate commit-
tees of Congress” means—

(1) the Committee on Armed Services, the
Committee on Appropriations, and the Select Com-
mitee on Intelligence of the Senate; and

(2) the Committee on Armed Services, the
Committee on Appropriations, and the Permanent
Select Committee on Intelligence of the House of Representatives.

(d) **REPEAL.**—Section 133 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 125 Stat. 1321) is repealed.

**SEC. 137. COST-BENEFIT ANALYSIS OF UPGRADES TO MQ–9 REAPER AIRCRAFT.**

(a) **IN GENERAL.**—The Secretary of Defense, in consultation with the Secretary of the Air Force, shall conduct an analysis that compares the costs and benefits of the following:

1. Upgrading fielded MQ–9 Reaper aircraft to a Block 5 configuration.
2. Proceeding with the procurement of MQ–9B aircraft instead of upgrading fielded MQ–9 Reaper aircraft to a Block 5 configuration.

(b) **REPORT REQUIRED.**—

1. **IN GENERAL.**—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report that includes the results of the cost-benefit analysis conducted under subsection (a).
(2) Form of report.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 138. PLAN FOR MODERNIZATION OF THE RADAR FOR F–16 FIGHTER AIRCRAFT OF THE NATIONAL GUARD.

(a) Modernization Plan Required.—The Secretary of the Air Force shall develop a plan to modernize the radars of F–16 fighter aircraft of the National Guard by replacing legacy mechanically-scanned radars for such aircraft with active electronically scanned array radars.

(b) Report.—Not later 180 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees the plan developed under subsection (a).

SEC. 139. COMPTROLLER GENERAL REVIEW OF AIR FORCE FIELDING PLAN FOR HH–60 REPLACEMENT PROGRAMS.

(a) Comptroller General Review.—The Comptroller General of the United States shall conduct a review of the Air Force fielding plan for the HH–60 replacement programs.

(b) Elements.—The review conducted under subsection (a) shall include, with respect to the HH–60 replacement programs, the following:
(1) A description of the recommendations of the National Commission on the Structure of the Air Force regarding the use of concurrent and proportional fielding and how the Air Force applied the recommendations in the fielding plan for the HH–60G replacement programs.

(2) An evaluation of the fielding plan, including an assessment of the Air Force rationale for the plan, as well as the alternative fielding plans considered by the Air Force.

(3) An evaluation of the potential readiness impact of the fielding plan on active duty, National Guard, and Reserve units, including the impact of the plan on the ability of such units to meet training, maintenance, and deployment requirements, as well as the implications for total force integration initiatives should the fielding not be proportional.

(c) BRIEFING.—Not later than March 1, 2018, the Comptroller General shall provide a briefing to the congressional defense committees on the review conducted under subsection (a).

(d) FINAL REPORT.—Not later than June 30, 2018, the Comptroller General shall submit to the congressional committees a report that includes the results of the review conducted under subsection (a).
(e) **HH–60G Replacement Programs Defined.**—

In this section, the term “HH–60G replacement programs” means the HH–60G Ops Loss Replacement program and the HH–60W Combat Rescue Helicopter program.

**Subtitle E—Defense-wide, Joint, and Multiservice Matters**

**SEC. 141. F–35 Economic Order Quantity Contracting Authority.**

(a) **In General.**—Subject to subsections (b) through (e), from amounts made available for obligation under the F–35 aircraft program, the Secretary of Defense may enter into one or more contracts, beginning with the fiscal year 2018 program year, for the procurement of economic order quantities of material and equipment that has completed formal hardware qualification testing for the F–35 aircraft program for use in procurement contracts to be awarded for such program during fiscal years 2019 and 2020.

(b) **Limitation.**—The total amount obligated under all contracts entered into under subsection (a) shall not exceed $661,000,000.

(c) **Preliminary Findings.**—Before entering into a contract under subsection (a), the Secretary shall make
each of the following findings with respect to such contract:

(1) The use of such a contract will result in significant savings of the total anticipated costs of carrying out the program through annual contracts.

(2) The minimum need for the property to be procured is expected to remain substantially unchanged during the contemplated contract period in terms of production rate, procurement rate, and total quantities.

(3) There is a reasonable expectation that, throughout the contemplated contract period, the Secretary will request funding for the contract at the level required to avoid contract cancellation.

(4) That there is a stable design for the property to be procured and that the technical risks associated with such property are not excessive.

(5) The estimates of both the cost of the contract and the anticipated cost avoidance through the use of an economic order quantity contract are realistic.

(6) Entering into the contract will promote the national security interests of the United States.

(d) CERTIFICATION REQUIREMENT.—Except as provided in subsection (e), the Secretary of Defense may not
enter into a contract under subsection (a) until a period of 30 days has elapsed following the date on which the Secretary certifies to the congressional defense committees, in writing, that each of the following conditions is satisfied:

(1) A sufficient number of end items of the system being acquired under such contract have been delivered at or within the most recently available estimates of the program acquisition unit cost or procurement unit cost for such system to determine that the estimates of the unit costs are realistic.

(2) During the fiscal year in which such contract is to be awarded, sufficient funds will be available to perform the contract in such fiscal year, and the future-years defense program submitted to Congress under section 221 of title 10, United States Code, for that fiscal year will include the funding required to execute the program without cancellation.

(3) The contract is a fixed-price type contract.

(4) The proposed contract provides for production at not less than minimum economic rates given the existing tooling and facilities.

(5) The Secretary has determined that each of the conditions described in paragraphs (1) through (6) of subsection (e) will be met by such contract.
and has provided the basis for such determination to
the congressional defense committees.

(6) The determination under paragraph (5) was
made after the completion of a cost analysis per-
formed by the Director of Cost Assessment and Pro-
gram Evaluation for the purpose of section
2334(e)(1) of title 10, United States Code, and the
analysis supports that determination.

(e) EXCEPTION.—Notwithstanding subsection (d),
the Secretary of Defense may enter into a contract under
subsection (a) on or after March 1, 2018, if—

(1) the Director of Cost Assessment and Pro-
gram Evaluation has not completed a cost analysis
of the preliminary findings made by the Secretary
under subsection (c) with respect to the contract;

(2) the Secretary certifies to the congressional
defense committees, in writing, that each of the con-
ditions described in paragraphs (1) through (5) of
subsection (d) is satisfied; and

(3) a period of 30 days has elapsed following
the date on which the Secretary submits the certifi-
cation under paragraph (2).
SEC. 142. AUTHORITY FOR EXPLOSIVE ORDNANCE DISPOSAL UNITS TO ACQUIRE NEW OR EMERGING TECHNOLOGIES AND CAPABILITIES.

The Secretary of Defense, after consultation with the head of each military service, may provide to an explosive ordnance disposal unit the authority to acquire new or emerging technologies and capabilities that are not specifically provided for in the authorized equipment allowance for the unit, as such allowance is set forth in the table of equipment and table of allowance for the unit.

SEC. 143. REQUIREMENT THAT CERTAIN AIRCRAFT AND UNMANNED AERIAL VEHICLES USE SPECIFIED STANDARD DATA LINK.

Section 157 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 1667) is amended—

(1) by amending subsection (b) to read as follows:

“(b) SOLICITATIONS.—The Secretary of Defense shall—

“(1) ensure that any solicitation issued for a Common Data Link described in subsection (a), regardless of whether the solicitation is issued by a military department or a contractor with respect to a subcontract—
“(A) conforms to a Department of Defense specification standard, including interfaces and waveforms, existing as of the date of the solicitation; and

“(B) does not include any proprietary or undocumented waveforms or control interfaces or data interfaces as a requirement or criterion for evaluation; and

“(2) notify the congressional defense committees not later than 15 days after issuing a solicitation for a Common Data Link to be sunset (CDL–TBS) waveform.”; and

(2) in subsection (c), in the matter preceding paragraph (1)—

(A) by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Deputy Secretary of Defense”;

(B) by striking “Under Secretary” and inserting “Deputy Secretary of Defense”; and

(C) by inserting “before October 1, 2023” after “committees”.

"
SEC. 144. REINSTATMENT OF REQUIREMENT TO PRESERVE CERTAIN C–5 AIRCRAFT; MOBILITY CAPABILITY AND REQUIREMENTS STUDY.

(a) Preservation of Retired Aircraft.—Section 141 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 1659), as amended by section 132 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), is amended by inserting after subsection (c) the following:

“(d) Preservation of Certain Retired C–5 Aircraft.—

“(1) In general.—The Secretary of the Air Force shall preserve eight retired C–5 aircraft until the date that is 30 days after the date on which the briefing under section 144(b) of the National Defense Authorization Act for Fiscal Year 2018 is provided to the congressional defense committees.

“(2) Manner of preservation.—The retired C–5 aircraft preserved under paragraph (1) shall be preserved such that each aircraft—

“(A) can be returned to service; and

“(B) is not used to supply parts to other aircraft unless specifically authorized by the Secretary of Defense upon a request by the Secretary of the Air Force.”.

(b) Study and Briefing.—
(1) **STUDY.**—The Secretary of Defense shall carry out a mobility capability and requirements study that estimates the number or airlift aircraft, tanker aircraft, and sealift ships needed to meet combatant commander requirements.

(2) **BRIEFING.**—Not later than September 30, 2018, the Secretary of Defense shall provide to the congressional defense committees a briefing on the results of the study carried out under paragraph (1). The briefing shall include—

(A) a detailed explanation of the strategy and associated force sizing and shaping constructs, associated scenarios, and assumptions used to conduct the analysis;

(B) estimated risk based on Chairman of the Joint Chiefs of Staff risk management classifications; and

(C) implications of operations in contested areas with regard to the Civil Reserve Air Fleet.

**TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

Subtitle A—Authorization of Appropriations

Sec. 201. Authorization of appropriations.

Subtitle B—Program Requirements, Restrictions, and Limitations
Sec. 211. Cost controls for presidential aircraft recapitalization program.
Sec. 212. Capital investment authority.
Sec. 213. Prizes for advanced technology achievements.
Sec. 214. Joint Hypersonics Transition Office.
Sec. 215. Department of Defense directed energy weapon system prototyping and demonstration program.
Sec. 216. Appropriate use of authority for prototype projects.
Sec. 217. Mechanisms for expedited access to technical talent and expertise at academic institutions to support Department of Defense missions.
Sec. 218. Modification of laboratory quality enhancement program.
Sec. 219. Reauthorization of Department of Defense Established Program to Stimulate Competitive Research.
Sec. 220. Codification and enhancement of authorities to provide funds for defense laboratories for research and development of technologies for military missions.
Sec. 221. Expansion of definition of competitive procedures to include competitive selection for award of science and technology proposals.
Sec. 222. Inclusion of modeling and simulation in test and evaluation activities for purposes of planning and budget certification.
Sec. 223. Limitation on availability of funds for F–35 Joint Strike Fighter Follow-On Modernization.
Sec. 224. Improvement of update process for populating mission data files used in advanced combat aircraft.
Sec. 225. Support for national security innovation and entrepreneurial education.
Sec. 226. Limitation on cancellation of designation Executive Agent for a certain Defense Production Act program.

Subtitle C—Reports and Other Matters

Sec. 231. Columbia-class program accountability matrices.
Sec. 232. Review of barriers to innovation in research and engineering activities of the Department of Defense.
Sec. 233. Pilot program to improve incentives for technology transfer from Department of Defense laboratories.
Sec. 234. Competitive acquisition plan for low probability of detection data link networks.
Sec. 235. Clarification of selection dates for pilot program for the enhancement of the research, development, test, and evaluation centers of the Department of Defense.
Sec. 236. Requirement for a plan to build a prototype for a new ground combat vehicle for the Army.

Subtitle A—Authorization of Appropriations

SEC. 201. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2018 for the use of the Department of Defense
for research, development, test, and evaluation, as specified in the funding table in section 4201.

Subtitle B—Program Requirements, Restrictions, and Limitations

SEC. 211. COST CONTROLS FOR PRESIDENTIAL AIRCRAFT RECAPITALIZATION PROGRAM.

(a) Fixed Capability Requirements.—Except as provided in subsection (b), the capability requirements for aircraft procured under the presidential aircraft recapitalization program of the Air Force (referred to in this section as the “PAR Program”) shall be the capability requirements identified in version 7.0.2 of the system requirement document for the PAR Program.

(b) Adjustments.—The Chief of Staff of the Air Force may adjust the capability requirements described in subsection (a) only if the Chief of Staff submits to the congressional defense committees a written determination that such adjustment is necessary—

(1) to resolve an ambiguity relating to the capability requirement;

(2) to address a problem with the administration of the capability requirement;

(3) to lower the development cost or life-cycle cost of the PAR program;
(4) to comply with a change in international, Federal, State, or local law or regulation that takes effect after September 30, 2017;

(5) to address a safety issue; or

(6) subject to subsection (c), to address an emerging threat or vulnerability.

(c) LIMITATION ON ADJUSTMENT FOR EMERGING THREAT OR VULNERABILITY.—The Chief of Staff of the Air Force may use the authority under paragraph (6) of subsection (b) to adjust the requirements described in subsection (a) only if the Secretary and the Chief of Staff of the Air Force, on a nondelegable basis—

(1) jointly determine that such adjustment is necessary and in the interests of the national security of the United States; and

(2) submit to the congressional defense committees notice of such joint determination.

(d) ANALYSIS FOR FIXED-PRICE TYPE CONTRACTS.—The Secretary of the Air Force shall work with the contractor and conduct an analysis of risk and explore opportunities to enter into additional fixed price type contracts for engineering and manufacturing development beyond the procurement of the unmodified commercial aircraft as described in paragraph (1).

(e) QUARTERLY BRIEFINGS.—
(1) **IN GENERAL.**—Beginning not later than October 1, 2017, and on a quarterly basis thereafter through October 1, 2022, the Secretary of the Air Force shall provide to the congressional defense committees a briefing on the efforts of the Secretary to control costs under the PAR Program.

(2) **ELEMENTS.**—Each briefing under paragraph (1) shall include, with respect to the PAR Program, the following:

(A) An overview of the program schedule.

(B) A description of each contract awarded under the program, including a description of the type of contract and the status of the contract.

(C) An assessment of the status of the program with respect to—

   (i) modification;

   (ii) testing;

   (iii) delivery; and

   (iv) sustainment.

(f) **SERVICE ACQUISITION EXECUTIVE DEFINED.**—In this section, the term “service acquisition executive” has the meaning given that term in section 101(a)(10) of title 10, United States Code.
SEC. 212. CAPITAL INVESTMENT AUTHORITY.

Section 2208(k)(2) of title 10, United States Code, is amended by striking “$250,000” and inserting “$500,000 for procurements by a major range and test facility installation or a science and technology reinvention laboratory and not less than $250,000 for procurements at all other facilities”.

SEC. 213. PRIZES FOR ADVANCED TECHNOLOGY ACHIEVEMENTS.

Section 2374a of title 10, United States Code, is amended—

(1) in subsection (a), by striking “in recognition of” and inserting “and other types of prizes that the Secretary determines are appropriate to recognize”;

(2) in subsection (c)—

(A) in paragraph (1), by striking “cash prize of” and inserting “prize with a fair market value of”;

(B) in paragraph (2), by striking “Under Secretary of Defense for Acquisition, Technology, and Logistics” and inserting “Under Secretary of Defense for Research and Engineering”; and

(C) by adding at the end the following new paragraph:
“(3) No prize competition may result in the award of a solely nonmonetary prize with a fair market value of more than $10,000 without the approval of the Under Secretary of Defense for Research and Engineering.”;

(3) in subsection (e)—

(A) by inserting “or nonmonetary items” after “accept funds”;

(B) by striking “and from State and local governments” and inserting “, from State and local governments, and from the private sector”; and

(C) by adding at the end the following: “The Secretary may not give any special consideration to any private sector entity in return for a donation.”; and

(4) by amending subsection (f) to read as follows:

“(f) USE OF PRIZE AUTHORITY.—Use of prize authority under this section shall be considered the use of competitive procedures for the purposes of section 2304 of this title.’’.

SEC. 214. JOINT HYPersonICS TRANSITION OFFICE.

(a) REDesignATION.—The joint technology office on hypersonics in the Office of the Secretary of Defense is redesignated as the ‘‘Joint Hypersonics Transition Of-
fice”. Any reference in a law (other than this section), map, regulation, document, paper, or other record of the United States to the joint technology office on hypersonics shall be deemed to be a reference to the Joint Hypersonics Transition Office.


(1) in the heading of subsection (a), by striking “JOINT TECHNOLOGY OFFICE ON HYPERSONICS” and inserting “JOINT HYPERSONICS TRANSITION OFFICE”;

(2) in subsection (a)—

(A) in the first sentence, by striking “joint technology office on hypersonics” and inserting “Joint Hypersonics Transition Office (in this section referred to as the ‘Office’)”; and

(B) in the second sentence, by striking “office” and inserting “Office”;

(3) in subsection (b), by striking “joint technology office established under subsection (a)” and inserting “Office”; and
(4) by amending subsection (c) to read as follows:

“(c) RESPONSIBILITIES.—In carrying out the program required by subsection (b), the Office shall do the following:

“(1) Expedite testing, evaluation, and acquisition of hypersonic weapon systems to meet the stated needs of the warfighter, including flight testing, ground-based-testing, and underwater launch testing.

“(2) Coordinate and integrate current and future research, development, test, and evaluation programs and system demonstration programs of the Department of Defense on hypersonics.

“(3) Undertake appropriate actions to ensure—

“(A) close and continuous integration of the programs on hypersonics of the military departments and the Defense Agencies with the programs on hypersonics across the Federal Government and with appropriate private sector and foreign organizations; and

“(B) that both foundational research and developmental and operational testing resources are adequate and well funded, and that facilities are made available in a timely manner to
support hypersonics research, demonstration programs, and system development.

“(4) Approve prototyping demonstration programs on hypersonic systems to speed the maturation and deployment of the systems to the warfighter.

“(5) Ensure that any demonstration program on hypersonic systems that is carried out in any year after its approval under paragraph (3) is carried out only if certified under subsection (e) as being consistent with the roadmap under subsection (d).

“(6) Develop strategies and roadmaps for hypersonic technologies to transition to operational capabilities for the warfighter.

“(7) Coordinate with relevant stakeholders and agencies to support United States technological advantage in developing hypersonics.”;

(5) in subsection (d)(1), by striking “joint technology office established under subsection (a)” and inserting “Office”; and

(6) in subsection (e)—

(A) in paragraph (1), by striking “joint technology office established under subsection (a)” and inserting “Office”; and
(B) in paragraph (2), by striking “joint technology office” and inserting “Office”.

SEC. 215. DEPARTMENT OF DEFENSE DIRECTED ENERGY
WEAPON SYSTEM PROTOTYPING AND DEMONSTRATION PROGRAM.

(a) Designation of Under Secretary of Defense for Research and Engineering as the Official With Principal Responsibility for Development and Demonstration of Directed Energy Weapons.—Subsection (a)(1) of section 219 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2431 note) is amended by striking “Not later” and all that follows through “Department of Defense” and inserting “The Under Secretary of Defense for Research and Engineering shall serve”.

(b) Prototyping and Demonstration Program.—Such section is further amended by adding at the end the following new subsection:

“(c) Prototyping and Demonstration Program.—

“(1) Establishment.—The Secretary of Defense, acting through the Under Secretary, shall establish a program on the prototyping and demonstration of directed energy weapon systems to
build and maintain the military superiority of the United States by—

“(A) accelerating, when feasible, the fielding of directed energy weapon prototypes that would help counter technological advantages of potential adversaries of the United States; and

“(B) supporting the military departments, the combatant commanders, and other relevant defense agencies and entities in developing prototypes and demonstrating operational utility of high energy lasers and high powered microwave weapon systems.

“(2) GUIDELINES.—(A) Not later than 180 days after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2018, the Under Secretary shall issue guidelines for the operation of the program established under paragraph (1), including the following:

“(i) Criteria required for an application for funding by a military department, defense agency or entity, or a combatant command.

“(ii) The priorities, based on validated requirements or capability gaps, for fielding prototype directed energy weapon system tech-
(iii) Criteria for evaluation of an application for funding or changes to policies or acquisition and business practices by such a department, agency, or command for purposes of improving the effectiveness and efficiency of the program.

(B) Funding for a military department, defense agency, or combatant command under the program established under paragraph (1) may only be available for advanced technology development, prototyping, and demonstrations in which the Department of Defense maintains management of the technical baseline and a primary emphasis on technology transition and evaluating military utility to enhance the likelihood that the particular directed energy weapon system will meet the Department end user’s need.

(3) APPLICATIONS FOR FUNDING.—(A) Not less frequently than once each year, the Under Secretary shall solicit from the heads of the military departments, the defense agencies, and the combatant commands applications for funding under the program established under paragraph (1) to be used to
enter into contracts, cooperative agreements, or other transaction agreements entered into pursuant to section 2371b of title 10, United States Code, with appropriate entities for the prototyping or commercialization of technologies.

“(B) Nothing in this section shall be construed to require any official of the Department of Defense to provide funding under the program to any congressional earmark as defined pursuant to clause 9 of rule XXI of the Rules of the House of Representatives or any congressionally directed spending item as defined pursuant to paragraph 5 of rule XLIV of the Standing Rules of the Senate.

“(4) FUNDING.—(A) Except as provided in subparagraph (B) and subject to the availability of appropriations for such purpose, of the funds authorized to be appropriated by the National Defense Authorization Act for Fiscal Year 2018 or otherwise made available for fiscal year 2018 for research, development, test, and evaluation, defense-wide, up to $100,000,000 may be available to the Under Secretary to allocate to the military departments, the defense agencies, and the combatant commands to carry out the program established under paragraph (1).
“(B) Not more than half of the amounts made available under subparagraph (A) may be allocated as described in such paragraph until the Under Secretary—

“(i) develops the strategic plan required by subsection (a)(2)(A); and

“(ii) submits such strategic plan to the congressional defense committees.

“(5) UNDER SECRETARY DEFINED.—In this subsection, the term ‘Under Secretary’ means the Under Secretary of Defense for Research and Engineering in the Under Secretary’s capacity as the official with principal responsibility for the development and demonstration of directed energy weapons pursuant to subsection (a)(1).”.

SEC. 216. APPROPRIATE USE OF AUTHORITY FOR PROTOTYPE PROJECTS.

Section 2371b(d)(1)(A) of title 10, United States Code, is amended by inserting “or nonprofit research institution” after “defense contractor”.

SEC. 217. MECHANISMS FOR EXPEDITED ACCESS TO TECHNICAL TALENT AND EXPERTISE AT ACADEMIC INSTITUTIONS TO SUPPORT DEPARTMENT OF DEFENSE MISSIONS.

(a) ARRANGEMENTS AUTHORIZED.—
(1) IN GENERAL.—The Secretary of Defense and each secretary of a military department may establish one or more multi-institution task order contracts, consortia, cooperative agreements, or other arrangements to facilitate expedited access to university technical expertise, including faculty, staff, and students, in support of Department of Defense missions in the areas specified in subsection (e).

(2) USE FOR TECHNICAL ANALYSES AND ENGINEERING SUPPORT.—The Secretary may use an arrangement under paragraph (1) to fund technical analyses and other engineering support as required to address acquisition, management, and operational challenges, including support for classified programs and activities.

(b) LIMITATION.—An arrangement established under subsection (a)(1) may not be used to fund research programs that can be executed through other Department of Defense basic research activities.

(c) CONSULTATION WITH OTHER DEPARTMENT OF DEFENSE ACTIVITIES.—An arrangement established under subsection (a)(1) shall, to the degree practicable, be made in consultation with other Department of Defense activities, including federally funded research and development centers (FFRDCs), university affiliated research
centers (UARCs), and Defense laboratories and test centers, for purposes of providing technical expertise and reducing costs and duplicative efforts.

(d) POLICIES AND PROCEDURES.—If the Secretary of Defense or a secretary of a military department establishes one or more arrangements under subsection (a)(1), the Secretary of Defense shall establish and implement policies and procedures to govern—

(1) selection of participants in the arrangement or arrangements;

(2) the awarding of task orders under the arrangement or arrangements;

(3) maximum award size for tasks under the arrangement or arrangements;

(4) the appropriate use of competitive awards and sole source awards under the arrangement or arrangements; and

(5) technical areas under the arrangement or arrangements.

(e) MISSION AREAS.—The areas specified in this subsection are as follows:

(1) Cybersecurity.

(2) Air and ground vehicles.

(3) Shipbuilding.

(4) Explosives detection and defeat.
(5) Undersea warfare.

(6) Trusted electronics.

(7) Unmanned systems.

(8) Directed energy.

(9) Energy, power, and propulsion.

(10) Management science and operations research.

(11) Artificial intelligence.

(12) Data analytics.

(13) Business systems.

(14) Technology transfer and transition.

(15) Biological engineering and genetic enhancement.

(16) High performance computing.

(17) Materials science and engineering.

(18) Quantum information sciences.

(19) Special operations activities.

(20) Modeling and simulation.

(21) Autonomous systems.

(22) Model based engineering.

(23) Such other areas as the Secretary considers appropriate.

(f) SUNSET.—No new arrangements may be entered into under subsection (a)(1) after September 30, 2020.
(g) ARRANGEMENTS ESTABLISHED UNDER SUBSECTION (A)(1) DEFINED.—In this section, the term “arrangement established under subsection (a)(1)” means a multi-institution task order contract, consortia, cooperative agreement, or other arrangement established under subsection (a)(1).

SEC. 218. MODIFICATION OF LABORATORY QUALITY ENHANCEMENT PROGRAM.

(a) IN GENERAL.—Section 211 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended—

(1) in subsection (a)(1)—

(A) in subparagraph (A), by striking “; and” and inserting a semicolon;

(B) in subparagraph (B), by striking the semicolon and inserting “; and”; and

(C) by adding at the end the following new subparagraph:

“(C) new interpretations of existing statutes and regulations that would enhance the ability of a director of a science and technology reinvention laboratory to manage the facility and discharge the mission of the laboratory;”;

(2) in subsection (d), by adding at the end the following new paragraph:
“(3)(A) Each panel described in paragraph (1), (2), or (3) of subsection (b) shall submit to the panel described in paragraph (4) of such subsection (relating to governance and oversight processes) the following:

“(i) The findings of the panel with respect to the review conducted by the panel under subsection (a)(1)(C).

“(ii) The recommendations made by the panel under such subsection.

“(iii) Such comments, findings, and recommendations as the panel may have received by a science and technology reinvention laboratory with respect to—

“(I) the review conducted by the panel under such subsection; or

“(II) recommendations made by the panel under such subsection.

“(B)(i) The panel described in subsection (b)(4) shall review and refashion such recommendations as the panel may receive under subparagraph (A).

“(ii) In reviewing and refashioning recommendations under clause (i), the panel may, as the panel considers appropriate, consult with the science and technology executive of the affected service.
“(C) The panel described in subsection (b)(4) shall submit to the Under Secretary of Defense for Research and Engineering the recommendations made by the panel under subsection (a)(1)(C) and the recommendations re-fashioned by the panel under subparagraph (B) of this paragraph.”;

(3) by redesignating subsections (e) and (f) as subsection (f) and (g), respectively; and

(4) by inserting after subsection (d) the following new subsection (e):

“(e) INTERPRETATION OF PROVISIONS OF LAW.—(1) The Under Secretary of Defense for Research and Engineering, acting under the guidance of the Secretary, shall issue regulations regarding the meaning, scope, implementation, and applicability of any provision of a statute relating to a science and technology reinvention laboratory.

“(2) In interpreting or defining under paragraph (1), the Under Secretary shall, to the degree practicable, emphasize providing the maximum operational flexibility to the directors of the science and technology reinvention laboratories to discharge the missions of their laboratories.

“(3) In interpreting or defining under paragraph (1), the Under Secretary shall, to the extent practicable, consult and coordinate with the secretaries of the military departments and such other agencies or entities as the
Under Secretary considers relevant, on any proposed revision to regulations under paragraph (1).

“(4) In interpreting or defining under paragraph (1), the Under Secretary shall seek recommendations from the panel described in subsection (b)(4).”.

(b) TECHNICAL CORRECTIONS.—(1) Subsections (a), (c)(1)(C), and (d)(2) of such section are amended by striking “Assistant Secretary” each place it appears and inserting “Under Secretary”.

(2) Subparagraph (C) of section 342(b)(3) of the National Defense Authorization Act for Fiscal Year 1995 (Public Law 103–337), as amended by section 211(f) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), as redesignated by subsection (a)(3) of this section, is amended by striking “Assistant Secretary” and inserting “Under Secretary”.

SEC. 219. REAUTHORIZATION OF DEPARTMENT OF DEFENSE ESTABLISHED PROGRAM TO STIMULATE COMPETITIVE RESEARCH.

(a) MODIFICATION OF PROGRAM OBJECTIVES.—Subsection (b) of section 257 of the National Defense Authorization Act for Fiscal Year 1995 (Public Law 103–337; 10 U.S.C. 2358 note) is amended—

(1) by redesignating paragraphs (1) and (2) as paragraphs (2) and (3), respectively;
(2) by inserting before paragraph (2), as redesignated by paragraph (1), the following new paragraph (1):

“(1) To increase the number of university researchers in eligible States capable of performing science and engineering research responsive to the needs of the Department of Defense.”; and

(3) in paragraph (2), as redesignated by paragraph (1), by inserting “relevant to the mission of the Department of Defense and” after “that is”.

(b) Modification of Program Activities.—Subsection (c) of such section is amended—

(1) by redesignating paragraph (3) as paragraph (4); and

(2) by inserting after paragraph (2) the following new paragraph (3):

“(3) To provide assistance to science and engineering researchers at institutions of higher education in eligible States through collaboration between Department of Defense laboratories and such researchers.”.

(c) Modification of Eligibility Criteria for State Participation.—Subsection (d) of such section is amended—
(1) in paragraph (2)(B), by inserting “in areas relevant to the mission of the Department of Defense” after “programs”; and

(2) by adding at the end the following new paragraph:

“(3) The Under Secretary shall not remove a designation of a State under paragraph (2) because the State exceeds the funding levels specified under subparagraph (A) of such paragraph unless the State has exceeded such funding levels for at least two consecutive years.”.

(d) Modification of Coordination Requirement.—Subsection (e) of such section is amended—

(1) in paragraph (1), by striking “shall” each place it appears and inserting “may”; and

(2) in paragraph (3), by inserting “relevant to the mission of the Department of Defense and” after “Research are”.

(e) Modification of Name.—

(1) In General.—Such section is amended—

(A) in subsections (a) and (e) by striking “Experimental” each place it appears and inserting “Established”; and

(B) in the section heading, by striking “EXPERIMENTAL” and inserting “ESTABLISHED”.

VerDate Nov 24 2008 19:01 Nov 07, 2017 Jkt 000000 PO 00000 Frm 00098 Fmt 6652 Sfmt 6201 C:\USERS\HCROSS\APPDATA\ROAMING\SOFTQUAD\XMETAL\7.0\GEN\C\ASCR18.XML

G:\CMTE\AS\18\C\ASCR18.XML

November 7, 2017 (7:01 p.m.)
g:\VHLC\110717\110717.369.xml (680035|3)
(2) CLERICAL AMENDMENT.—Such Act is amended, in the table of contents in section 2(b), by striking the item relating to section 257 and inserting the following new item:

“Sec. 257. Defense established program to stimulate competitive research.”.

(3) CONFORMING AMENDMENT.—Section 307 of the 1997 Emergency Supplemental Appropriations Act for Recovery from Natural Disasters, and for Overseas Peacekeeping Efforts, Including Those in Bosnia (Public Law 105–18) is amended by striking “Experimental” and inserting “Established”.

SEC. 220. CODIFICATION AND ENHANCEMENT OF AUTHORITY TO PROVIDE FUNDS FOR DEFENSE LABORATORIES FOR RESEARCH AND DEVELOPMENT OF TECHNOLOGIES FOR MILITARY MISSIONS.

(a) IN GENERAL.—Chapter 139 of title 10, United States Code, is amended by inserting after section 2362 the following new section:

“§ 2363. Mechanisms to provide funds for defense laboratories for research and development of technologies for military missions

“(a) MECHANISMS TO PROVIDE FUNDS.—(1) The Secretary of Defense, in consultation with the Secretaries of the military departments, shall establish mechanisms under which the director of a defense laboratory may use
an amount of funds equal to not less than two percent and not more than four percent of all funds available to the defense laboratory for the following purposes:

“(A) To fund innovative basic and applied research that is conducted at the defense laboratory and supports military missions.

“(B) To fund development programs that support the transition of technologies developed by the defense laboratory into operational use.

“(C) To fund workforce development activities that improve the capacity of the defense laboratory to recruit and retain personnel with necessary scientific and engineering expertise that support military missions.

“(D) To fund the repair or minor military construction of the laboratory infrastructure and equipment, in accordance with subsection (b).

“(2) The mechanisms established under paragraph (1) shall provide that funding shall be used under paragraph (1) at the discretion of the director of a defense laboratory in consultation with the science and technology executive of the military department concerned.

“(3) The science and technology executive of a military department may develop policies and guidance to leverage funding and promote cross-laboratory collabora-
tion, including with laboratories of other military departments.

“(4) After consultation with the science and technology executive of the military department concerned, the director of a defense laboratory may charge customer activities a fixed percentage fee, in addition to normal costs of performance, in order to obtain funds to carry out activities authorized by this subsection. The fixed fee may not exceed four percent of costs.

“(b) Availability of Funds for Infrastructure Projects.—Funds shall be available in accordance with subsection (a)(1)(D) only if—

“(1) the Secretary notifies the congressional defense committees of the total cost of the project before the date on which the Secretary uses the mechanism under such subsection for such project; and

“(2) the Secretary ensures that the project complies with the applicable cost limitations in—

“(A) section 2805(d) of this title, with respect to revitalization and recapitalization projects; and

“(B) section 2811 of this title, with respect to repair projects.

“(c) Annual Report on Use of Authority.—(1) Not later than March 1 of each year until March 1, 2025,
the Secretary of Defense shall submit to the congressional defense committees a report on the use of the authority under subsection (a) during the preceding year.

“(2) Each report under paragraph (1) shall include, with respect to the year covered by the report, the following:

“(A) A description of the mechanisms used to provide funding under subsection (a)(1).

“(B) A statement of the amount of funding made available to each defense laboratory for research described under such subsection.

“(C) A description of the investments made by each defense laboratory using funds under such subsection.

“(D) A description and assessment of any improvements in the performance of the defense laboratories as a result of investments under such subsection.

“(E) A description and assessment of the contributions to the development of needed military capabilities provided by research using funds under such subsection.

“(F) A description of any modification to the mechanisms under subsection (a) that would im-
prove the efficiency of the authority under such sub-
section to support military missions.”.

(b) CLERICAL AMENDMENT.—The table of sections
at the beginning of chapter 139 of such title is amended
by inserting after the item relating to section 2362 the
following new item:

“2363. Mechanisms to provide funds for defense laboratories for research and
development of technologies for military missions.”.

(c) CONFORMING AMENDMENTS.—(1) Section 219 of
the Duncan Hunter National Defense Authorization Act
for Fiscal Year 2009 (Public Law 110–417; 10 U.S.C.
2358 note), is hereby repealed.

(2) Section 2805(d)(1)(B) of title 10, United States
Code, is amended by striking “under section 219(a) of the
Duncan Hunter National Defense Authorization Act for
Fiscal Year 2009 (Public Law 110–417; 10 U.S.C. 2358
note)” and inserting “section 2363(a) of this title”.

SEC. 221. EXPANSION OF DEFINITION OF COMPETITIVE
PROCEDURES TO INCLUDE COMPETITIVE SE-
LECTION FOR AWARD OF SCIENCE AND
TECHNOLOGY PROPOSALS.

Section 2302(2)(B) of title 10, United States Code,
is amended by striking “basic research” and inserting
“science and technology”. 
SEC. 222. INCLUSION OF MODELING AND SIMULATION IN TEST AND EVALUATION ACTIVITIES FOR PURPOSES OF PLANNING AND BUDGET CERTIFICATION.

Section 196 of title 10, United States Code, is amended—

(1) in subsection (d)(1), in the first sentence, by inserting “, including modeling and simulation capabilities” after “and resources”; and

(2) in subsection (e)(1), by inserting “, including modeling and simulation activities,” after “evaluation activities”.

SEC. 223. LIMITATION ON AVAILABILITY OF FUNDS FOR F–35 JOINT STRIKE FIGHTER FOLLOW-ON MODERNIZATION.

(a) IN GENERAL.—Not more than 25 percent of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 or any other fiscal year for the Department of Defense may be obligated for F–35 Joint Strike Fighter Follow-On Modernization until the Secretary of Defense provides the final report required under section 224(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).

(b) DUAL CAPABLE AIRCRAFT.—Neither the limitation in subsection (a) nor the limitation in section 224(a) of the National Defense Authorization Act for Fiscal Year
2017 shall be construed to limit or otherwise restrict any funding that is required to develop, certify, or deliver F–35A dual capable aircraft.

SEC. 224. IMPROVEMENT OF UPDATE PROCESS FOR POPULATING MISSION DATA FILES USED IN ADVANCED COMBAT AIRCRAFT.

(a) IMPROVEMENTS TO UPDATE PROCESS.—

(1) IN GENERAL.—The Secretary of Defense shall take such actions as may be necessary to improve the process used to update the mission data files used in advanced combat aircraft of the United States so that such updates can occur more quickly.

(2) REQUIREMENTS.—In improving the process under paragraph (1), the Secretary shall ensure the following:

(A) That under such process, updates to the mission data files are developed, operationally tested, and loaded onto systems of advanced combat aircraft while in theaters of operation in a time-sensitive manner to allow for the distinguishing of threats, including distinguishing friends from foes, loading and delivery of weapon suites, and coordination with allied and coalition armed forces.
(B) When updates are made to the mission data files, all areas of responsibility (AoRs) are included.

(C) The process includes best practices relating to such mission data files that have been identified by industry and allies of the United States.

(D) The process improves the exchange of information between weapons systems of the United States and weapon systems of allies and partners of the United States, with respect to such mission data files.

(b) CONSULTATION AND PILOT PROGRAMS.—In carrying out subsection (a), the Secretary shall consult the innovation organizations resident in the Department of Defense and may consider carrying out a pilot program under another provision of this Act.

(c) REPORT.—Not later than March 31, 2018, the Secretary shall submit to the congressional defense committees a report on the actions taken by the Secretary under subsection (a)(1) and how the process described in such subsection has been improved.

SEC. 225. SUPPORT FOR NATIONAL SECURITY INNOVATION AND ENTREPRENEURIAL EDUCATION.

(a) SUPPORT AUTHORIZED.—
(1) IN GENERAL.—The Secretary of Defense may, acting through the Under Secretary of Defense for Research and Engineering, support national security innovation and entrepreneurial education programs.

(2) ELEMENTS.—Support under paragraph (1) may include the following:

(A) Materials to recruit participants, including veterans, for programs described in paragraph (1).

(B) Model curriculum for such programs.

(C) Training materials for such programs.

(D) Best practices for the conduct of such programs.

(E) Experimental learning opportunities for program participants to interact with operational forces and better understand national security challenges.

(F) Exchanges and partnerships with Department of Defense science and technology activities.

(G) Activities consistent with the Proof of Concept Commercialization Pilot Program established under section 1603 of the National

(b) CONSULTATION.—In carrying out subsection (a),
the Secretary may consult with the heads of such Federal
agencies, universities, and public and private entities en-
gaged in the development of advanced technologies as the
Secretary determines to be appropriate.

(c) AUTHORITIES.—The Secretary may—

(1) develop and maintain metrics to assess na-
tional security innovation and entrepreneurial edu-
cation activities to ensure standards for programs
supported under subsection (b) are consistent and
being met; and

(2) ensure that any recipient of an award under
the Small Business Technology Transfer program,
the Small Business Innovation Research program,
and science and technology programs of the Depart-
ment of Defense has the option to participate in
training under a national security innovation and en-
trepreneurial education program supported under
subsection (b).

(d) PARTICIPATION BY FEDERAL EMPLOYEES AND
MEMBERS OF THE ARMED FORCES.—The Secretary may
encourage Federal employees and members of the Armed
Forces to participate in a national security innovation and
entrepreneurial education program supported under sub-
section (a) in order to gain exposure to modern innovation
and entrepreneurial methodologies.

e) COORDINATION.—In carrying out this section, the
Secretary shall consider coordinating and partnering with
activities and organizations involved in the following:

(1) Hack the Army.

(2) Hack the Air Force.

(3) Hack the Pentagon.

(4) The Army Digital Service.


(7) Challenge and prize competitions of the De-

defense Advanced Research Projects Agency

(DARPA).


(9) The Small Business Innovation Research

Program (SBIR).

(10) The Small Business Technology Transfer

Program (STTR).

(11) War colleges of the military departments.

(12) Hacking for Defense.

(13) The National Security Science and Engi-

neering Faculty Fellowship (NSSEFF) program.
The Science, Mathematics and Research for Transformation (SMART) scholarship program.

The young faculty award program of the Defense Advanced Research Projects Agency.

SEC. 226. LIMITATION ON CANCELLATION OF DESIGNATION EXECUTIVE AGENT FOR A CERTAIN DEFENSE PRODUCTION ACT PROGRAM.

(a) LIMITATION ON CANCELLATION OF DESIGNATION.—The Secretary of Defense may not implement the decision, issued on July 1, 2017, to cancel the designation, under Department of Defense Directive 4400.1E, entitled “Defense Production Act Programs” and dated October 12, 2001, of the currently assigned Department of Defense Executive Agent for the program carried out under title III of the Defense Production Act of 1950 (50 U.S.C. 4531 et seq.) until the Secretary has—

(1) completed the review and assessment required by subsection (b)(1); and

(2) carried out the briefing required by subsection (c).

(b) REVIEW AND ASSESSMENT REQUIRED.—

(1) IN GENERAL.—The Secretary of Defense, in consultation with the Secretary of the Air Force, shall conduct a review and assessment of the program described in subsection (a).
(2) **ELEMENTS.**—The review and assessment required by paragraph (1) shall include the following:

(A) Assessment of the current management structure for the program, including analysis of the mechanisms for accountability, as well as cost and management controls currently in place.

(B) Analysis of alternatives for proposals to modify that management structure to increase accountability, cost and management controls. Such analysis of alternatives should consider the relative merits of centralization and decentralization, roles of other military departments in program management and contracting, as well as the different roles the Office of the Secretary of Defense might play in management, oversight and execution.

(C) Recommendations for improving the assessment and selection of projects in order to—

(i) ensure that projects selected are appropriate for use of funds appropriated to carry out title III of the Defense Production Act of 1950;
(ii) ensure that sufficient vetting and management controls are in place to ensure a reasonable degree of confidence that project ideas or the companies being supported will be viable; and

(iii) increase overall successful execution for selected projects.

(D) Such other matters as the Secretary considers appropriate.

(c) BRIEFING REQUIRED.—The Secretary shall brief the appropriate Committees of Congress on the findings of the Secretary with respect to the review and assessment conducted under subsection (b).

(d) NOTIFICATION REQUIRED.—In the event the Secretary of Defense decides to cancel the designation, under Department of Defense Directive 4400.1E, entitled “Defense Production Act Programs” and dated October 12, 2001, of the currently assigned Department of Defense Executive Agent for the program described in subsection (a), the Secretary shall submit to the appropriate committees of Congress a written notification of such decision at least 60 days before the decision goes into effect.

(e) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means the—
(1) the Committee on Armed Services and the Committee on Banking, Housing, and Urban Affairs of the Senate; and

(2) the Committee on Armed Services and the Committee on Financial Services of the House of Representatives.

Subtitle C—Reports and Other Matters

SEC. 231. COLUMBIA-CLASS PROGRAM ACCOUNTABILITY MATRICES.

(a) Submittal of Matrices.—Concurrent with the President’s annual budget request submitted to Congress under section 1105 of title 31, United States Code, for fiscal year 2019, the Secretary of the Navy shall submit to the congressional defense committees and the Comptroller General of the United States the matrices described in subsection (b) relating to the Columbia-class program.

(b) Matrices Described.—The matrices described in this subsection are the following:

(1) Design and Construction Goals.—A matrix that identifies, in six-month increments, key milestones, development events, and specific performance goals for the design and construction of the Columbia-class program, which shall be subdivided, at a minimum, according to the following:
(A) Technology-readiness levels of major components and key demonstration events.

(B) Design maturity.

(C) Manufacturing-readiness levels for critical manufacturing operations and key demonstration events.

(D) Manufacturing operations.

(E) Reliability.

(2) Cost.—A matrix expressing, in annual increments, the total cost phased over the entire Columbia-class design and construction period of—

(A) the Navy service cost position for the prime contractor’s portion of Columbia-class design and construction activities, including the estimated price at completion for each submarine and confidence level of this estimate;

(B) the program manager’s estimate for the prime contractor’s portion of Columbia-class design and construction activities, including the estimated price and variance at completion for each submarine; and

(C) the prime contractor’s estimate for the prime contractor’s portion of Columbia-class design and construction activities, including the
estimated price and variance at completion for
each submarine.

(c) UPDATE OF MATRICES.—

(1) IN GENERAL.—Not later than 180 days
after the date on which the Secretary of the Navy
submits the matrices required by subsection (a), and
concurrent with the submittal of each annual budget
request to Congress under section 1105 of title 31,
United States Code, beginning with the fiscal year
2020 request, the Secretary of the Navy shall sub-
mit to the congressional defense committees and the
Comptroller General of the United States updates to
the matrices described in subsection (b).

(2) ELEMENTS.—Each update submitted under
paragraph (1) shall detail progress made toward the
goals identified in the matrix described in subsection
(b)(1) and provide updated cost data as prescribed
in subsection (b)(2).

(3) TREATMENT OF INITIAL MATRICES AS
BASELINE.—The matrices submitted pursuant to
subsection (a) shall be treated as the baseline for the
full Columbia-class design and construction period
for purposes of the updates submitted pursuant to
paragraph (1) of this subsection.
116

(4) REPORT TERMINATION.—The report required under paragraph (1) shall terminate upon delivery of the first Columbia-class submarine.

(d) ASSESSMENT BY COMPTROLLER GENERAL OF THE UNITED STATES.—Not later than 90 days after the date on which the Comptroller General of the United States receives an update to a matrix under subsection (c)(1), the Comptroller General shall review such matrix and provide to the congressional defense committees an assessment of such matrix in whatever form that the Comptroller General deems appropriate.

(e) REPEAL OF REPORT REQUIREMENT.—Section 131 of the National Defense Authorization Act for Fiscal Year 2016 (129 Stat. 754; Public Law 114–92) is hereby repealed.

(f) MAJOR COMPONENT DEFINED.—In this section, the term “major component” includes, at a minimum, the integrated power system, nuclear reactor, propulsor and related coordinated stern features, stern area system, and common missile compartment.

SEC. 232. REVIEW OF BARRIERS TO INNOVATION IN RESEARCH AND ENGINEERING ACTIVITIES OF THE DEPARTMENT OF DEFENSE.

(a) REVIEW.—The Secretary of Defense, acting through the Under Secretary of Defense for Research and
Engineering, shall review directives, rules, regulations, and other policies that adversely affect the ability of the innovation, research, and engineering enterprise of the Department of Defense to effectively and efficiently execute its missions, including policies and practices concerning the following:

(1) Personnel and talent management.

(2) Financial management and budgeting.

(3) Infrastructure, installations, and military construction.

(4) Acquisition.

(5) Management.

(6) Such other areas as the Secretary may designate.

(b) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on—

(1) the findings of the Secretary with respect to the review conducted under subsection (a);

(2) proposed changes in directives, rules, regulations, and other policies that will enhance the ability of the innovation, research, and engineering enterprise of the Department to execute its designated missions, including a description of how proposed changes have been coordinated with other ap-
propriate Secretaries of the military departments
and the appropriate heads of the defense agencies;
and

(3) processes by which new directives, rules,
regulations, and other policies will be reviewed for
their potential to adversely affect the ability of the
innovation, research, and engineering enterprise of
the Department and the lead official designated to
execute such review in consultation with other rel-

tenant and appropriate Secretaries of the military de-

partments and heads of defense agencies.

SEC. 233. PILOT PROGRAM TO IMPROVE INCENTIVES FOR
TECHNOLOGY TRANSFER FROM DEPART-
MENT OF DEFENSE LABORATORIES.

(a) IN GENERAL.—The Secretary of Defense shall es-

tablish a pilot program to assess the feasibility and advis-

ability of distributing royalties and other payments as de-

scribed in this section. Under the pilot program, except
as provided in subsections (b) and (d), any royalties or
other payments received by a Federal agency from the li-

censing and assignment of inventions under agreements
entered into by Department of Defense laboratories, and
from the licensing of inventions of Department of Defense

laboratories, shall be retained by the laboratory which pro-
duced the invention and shall be disposed of as follows:
(1)(A) The laboratory director shall pay each year the first $2,000, and thereafter at least 20 percent, of the royalties or other payments, other than payments of patent costs as delineated by a license or assignment agreement, to the inventor or coinventors, if the inventor’s or coinventor’s rights are directly assigned to the United States.

(B) A laboratory director may provide appropriate incentives, from royalties or other payments, to laboratory employees who are not an inventor of such inventions but who substantially increased the technical value of the inventions.

(C) The laboratory shall retain the royalties and other payments received from an invention until the laboratory makes payments to employees of a laboratory under subparagraph (A) or (B).

(2) The balance of the royalties or other payments shall be transferred by the agency to its laboratories, with the majority share of the royalties or other payments from any invention going to the laboratory where the invention occurred. The royalties or other payments so transferred to any laboratory may be used or obligated by that laboratory during the fiscal year in which they are received or during the 2 succeeding fiscal years—
(A) to reward scientific, engineering, and technical employees of the laboratory, including developers of sensitive or classified technology, regardless of whether the technology has commercial applications;

(B) to further scientific exchange among the laboratories of the agency;

(C) for education and training of employees consistent with the research and development missions and objectives of the agency or laboratory, and for other activities that increase the potential for transfer of the technology of the laboratories of the agency;

(D) for payment of expenses incidental to the administration and licensing of intellectual property by the agency or laboratory with respect to inventions made at that laboratory, including the fees or other costs for the services of other agencies, persons, or organizations for intellectual property management and licensing services; or

(E) for scientific research and development consistent with the research and development missions and objectives of the laboratory.
(3) All royalties or other payments retained by
the laboratory after payments have been made pur-
suant to paragraphs (1) and (2) that are unobli-
gated and unexpended at the end of the second fiscal
year succeeding the fiscal year in which the royalties
and other payments were received shall be paid into
the Treasury of the United States.

(b) TREATMENT OF PAYMENTS TO EMPLOYEES.—

(1) IN GENERAL.—Any payment made to an
employee under the pilot program shall be in addi-
tion to the regular pay of the employee and to any
other awards made to the employee, and shall not
affect the entitlement of the employee to any regular
pay, annuity, or award to which the employee is oth-
erwise entitled or for which the employee is oth-
erwise eligible or limit the amount thereof. Any pay-
ment made to an inventor as such shall continue
after the inventor leaves the laboratory.

(2) CUMULATIVE PAYMENTS.—(A) Cumulative
payments made under the pilot program while the
inventor is still employed at the laboratory shall not
exceed $500,000 per year to any one person, unless
the Secretary concerned (as defined in section
101(a) of title 10, United States Code) approves a
larger award.
(B) Cumulative payments made under the pilot program after the inventor leaves the laboratory shall not exceed $150,000 per year to any one person, unless the head of the agency approves a larger award (with the excess over $150,000 being treated as an agency award to a former employee under section 4505 of title 5, United States Code).

(c) INVENTION MANAGEMENT SERVICES.—Under the pilot program, a laboratory receiving royalties or other payments as a result of invention management services performed for another Federal agency or laboratory under section 207 of title 35, United States Code, may retain such royalties or payments to the extent required to offset payments to inventors under subparagraph (A) of subsection (a)(1), costs and expenses incurred under subparagraph (D) of subsection (a)(2), and the cost of foreign patenting and maintenance for any invention of the other agency. All royalties and other payments remaining after offsetting the payments to inventors, costs, and expenses described in the preceding sentence shall be transferred to the agency for which the services were performed, for distribution in accordance with subsection (a)(2).

(d) CERTAIN ASSIGNMENTS.—Under the pilot program, if the invention involved was one assigned to the laboratory—
(1) by a contractor, grantee, or participant, or
an employee of a contractor, grantee, or participant,
in an agreement or other arrangement with the
agency; or

(2) by an employee of the agency who was not
working in the laboratory at the time the invention
was made,

the agency unit that was involved in such assignment shall
be considered to be a laboratory for purposes of this sec-
tion.

(e) Sunset.—The pilot program under this section
shall terminate 5 years after the date of the enactment
of this Act.

SEC. 234. COMPETITIVE ACQUISITION PLAN FOR LOW
PROBABILITY OF DETECTION DATA LINK
NETWORKS.

(a) Plan Required.—The Under Secretary of De-
fense for Acquisition, Technology, and Logistics and the
Vice Chairman of the Joint Chiefs of Staff shall jointly,
in consultation with the Secretary of the Navy and the
Secretary of the Air Force, develop a plan to procure a
secure, low probability of detection data link network ca-
pability with the ability to effectively operate in hostile
jamming environments while preserving the low observable
characteristics of the relevant platforms, between existing
and planned—

(1) fifth-generation combat aircraft;

(2) fifth-generation and fourth-generation combat aircraft;

(3) fifth-generation and fourth-generation combat aircraft and appropriate support aircraft and other network nodes for command, control, communications, intelligence, surveillance, and reconnaissance purposes; and

(4) fifth-generation and fourth-generation combat aircraft and their associated network-enabled precision weapons.

(b) ADDITIONAL PLAN REQUIREMENTS.—The plan required by subsection (a) shall include—

(1) nonproprietary and open systems approaches compatible with the Rapid Capabilities Office Open Mission Systems initiative of the Air Force and the Future Airborne Capability Environment initiative of the Navy;

(2) a competitive acquisition process, to include comparative flight demonstrations in realistic airborne environments; and
(3) low risk and affordable solutions with minimal impact or changes to existing host platforms, and minimal overall integration costs.

(c) BRIEFING.—Not later than February 15, 2018, the Under Secretary and the Vice Chairman shall provide to the congressional defense committees a potential acquisition strategy and briefing on the plan developed under subsection (a).

(d) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for operations and maintenance for the Office of the Secretary of the Air Force and the Office of the Secretary of the Navy, not more than 85 percent may be obligated or expended until a period of 15 days has elapsed following the date on which the Under Secretary and Vice Chairman submits to the congressional defense committees the plan required by subsection (a).

SEC. 235. CLARIFICATION OF SELECTION DATES FOR PILOT PROGRAM FOR THE ENHANCEMENT OF THE RESEARCH, DEVELOPMENT, TEST, AND EVALUATION CENTERS OF THE DEPARTMENT OF DEFENSE.

Section 233 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended—
(1) in subsection (b)(2), by striking “the enactment of this Act” both places it appears and inserting “such submittal”; and

(2) in subsection (c)(1), by striking “propose and implement” and inserting “submit to the Assistant Secretary concerned a proposal on, and implement,”.

SEC. 236. REQUIREMENT FOR A PLAN TO BUILD A PROTOTYPE FOR A NEW GROUND COMBAT VEHICLE FOR THE ARMY.

(a) IN GENERAL.—Not later than February 1, 2018, the Secretary of the Army shall submit to the congressional defense committees a plan to build a prototype for a new ground combat vehicle for the Army.

(b) CONTENTS.—The plan required by subsection (a) shall include the following:

(1) A description of how the Secretary intends to exploit the latest enabling component technologies that have the potential to dramatically change basic combat vehicle design and improve lethality, protection, mobility, range, and sustainment, including an analysis of capabilities of the most advanced foreign ground combat vehicles and whether any have characteristics that should inform the development of the Army’s prototype vehicle, including whether any
United States allies or partners have advanced capabilities that could be directly incorporated in the prototype.

(2) The schedule, cost, key milestones, and leadership plan to rapidly design and build the prototype ground combat vehicle.

SEC. 237. PLAN FOR SUCCESSFULLY FIELDING THE INTEGRATED AIR AND MISSILE DEFENSE BATTLE COMMAND SYSTEM.

(a) PLAN REQUIRED.—Not later than February 1, 2018, the Secretary of the Army shall submit to the congressional defense committees a plan to successfully field a suitable, survivable, and effective Integrated Air and Missile Defense Battle Command System program.

(b) LIMITATION.—Not more than 50 percent of the funds authorized to be appropriated by this Act for research, development, test, and evaluation may be obligated by the Secretary of the Army for the Army Integrated Air and Missile Defense Battle Command System until the date on which the plan is submitted under subsection (a).

TITLE III—OPERATION AND MAINTENANCE

Subtitle A—Authorization of Appropriations

Sec. 301. Authorization of appropriations.

Subtitle B—Energy and Environment
Sec. 311. Military Aviation and Installation Assurance Siting Clearinghouse.
Sec. 312. Energy performance goals and master plan.
Sec. 313. Payment to Environmental Protection Agency of stipulated penalty in connection with Umatilla Chemical Depot, Oregon.
Sec. 314. Payment to Environmental Protection Agency of stipulated penalty in connection with Longhorn Army Ammunition Plant, Texas.
Sec. 315. Department of the Army cleanup and removal of petroleum, oil, and lubricant associated with the Prinz Eugen.
Sec. 316. Centers for Disease Control study on health implications of per- and polyfluoroalkyl substances contamination in drinking water.
Sec. 317. Sentinel Landscapes Partnership.
Sec. 318. Report on release of radium or radioactive material into the groundwater near the industrial reserve plant in Bethpage, New York.

Subtitle C—Logistics and Sustainment

Sec. 321. Reauthorization of multi-trades demonstration project.
Sec. 322. Increased percentage of sustainment funds authorized for realignment to restoration and modernization at each installation.
Sec. 323. Guidance regarding use of organic industrial base.

Subtitle D—Reports

Sec. 331. Quarterly reports on personnel and unit readiness.
Sec. 332. Biennial report on core depot-level maintenance and repair capability.
Sec. 333. Annual report on personnel, training, and equipment needs of non-federalized National Guard.
Sec. 334. Annual report on military working dogs used by the Department of Defense.
Sec. 335. Report on effects of climate change on Department of Defense.
Sec. 336. Report on optimization of training in and management of special use airspace.
Sec. 337. Plan for modernized, dedicated Department of the Navy adversary air training enterprise.
Sec. 338. Updated guidance regarding biennial core report.

Subtitle E—Other Matters

Sec. 341. Explosive safety board.
Sec. 342. Servicewomen’s commemorative partnerships.
Sec. 343. Limitation on availability of funds for advanced skills management software system of the Navy.
Sec. 344. Cost-benefit analysis of uniform specifications for Afghan military or security forces.
Sec. 345. Temporary installation reutilization authority for arsenals, depots, and plants.
Sec. 346. Comprehensive plan for sharing depot-level maintenance best practices.
Sec. 347. Pilot program for operation and maintenance budget presentation.
Sec. 348. Repurposing and reuse of surplus Army firearms.
Sec. 349. Department of the Navy marksmanship awards.
Sec. 350. Civilian training for National Guard pilots and sensor operator aircrews of MQ-9 unmanned aerial vehicles.
Sec. 351. Training for National Guard personnel on wildfire response.
Sec. 352. Modification of the Second Division Memorial.
Subtitle A—Authorization of Appropriations

SEC. 301. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2018 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4301.

Subtitle B—Energy and Environment

SEC. 311. MILITARY AVIATION AND INSTALLATION ASSURANCE SITING CLEARINGHOUSE.

(a) CODIFICATION.—Chapter 7 of title 10, United States Code, is amended by inserting after section 183 the following new section:

“§ 183a. Military Aviation and Installation Assurance Clearinghouse for review of mission obstructions

“(a) ESTABLISHMENT.—(1) The Secretary of Defense shall establish a Military Aviation and Installation Assurance Siting Clearinghouse (in this section referred to as the ‘Clearinghouse’).

“(2) The Clearinghouse shall be—
“(A) organized under the authority, direction, and control of an Assistant Secretary of Defense designated by the Secretary; and

“(B) assigned such personnel and resources as the Secretary considers appropriate to carry out this section.

“(b) FUNCTIONS.—(1) The Clearinghouse shall coordinate Department of Defense review of applications for energy projects filed with the Secretary of Transportation pursuant to section 44718 of title 49 and received by the Department of Defense from the Secretary of Transportation. In performing such coordination, the Clearinghouse shall provide procedures to ensure affected local military installations are consulted.

“(2) The Clearinghouse shall accelerate the development of planning tools necessary to determine the acceptability to the Department of Defense of proposals included in an application for an energy project submitted pursuant to such section.

“(3) The Clearinghouse shall perform such other functions as the Secretary of Defense assigns.

“(c) REVIEW OF PROPOSED ACTIONS.—(1) Not later than 60 days after receiving from the Secretary of Transportation a proper application for an energy project under section 44718 of title 49 that may have an adverse impact
on military operations and readiness, the Clearinghouse shall conduct a preliminary review of such application. The review shall—

“(A) assess the likely scope, duration, and level of risk of any adverse impact of such energy project on military operations and readiness; and

“(B) identify any feasible and affordable actions that could be taken by the Department, the developer of such energy project, or others to mitigate the adverse impact and to minimize risks to national security while allowing the energy project to proceed with development.

“(2) If the Clearinghouse finds under paragraph (1) that an energy project will have an adverse impact on military operations and readiness, the Clearinghouse shall issue to the applicant a notice of presumed risk that describes the concerns identified by the Department in the preliminary review and requests a discussion of possible mitigation actions.

“(3) At the same time that the Clearinghouse issues to the applicant a notice of presumed risk under paragraph (2), the Clearinghouse shall provide the same notice to the governor of the State in which the project is located and request that the governor provide the Clearinghouse any comments the governor believes of relevance to the
application. The Secretary of Defense shall consider the
comments of the governor in the Secretary's evaluation of
whether the project presents an unacceptable risk to the
national security of the United States and shall include
the comments with the finding provided to the Secretary
of Transportation pursuant to section 44718(f) of title 49.

"(4) The Clearinghouse shall develop, in coordination
with other departments and agencies of the Federal Gov-
ernment, an integrated review process to ensure timely no-
tification and consideration of energy projects filed with
the Secretary of Transportation pursuant to section 44718
of title 49 that may have an adverse impact on military
operations and readiness.

"(5) The Clearinghouse shall establish procedures for
the Department of Defense for the coordinated consider-
ation of and response to a request for a review received
from another Federal agency, a State government, an In-
dian tribal government, a local government, a landowner,
or the developer of an energy project, including guidance
to personnel at each military installation in the United
States on how to initiate such procedures and ensure a
coordinated Department response.

"(6) The Clearinghouse shall develop procedures for
conducting early outreach to parties carrying out energy
projects that could have an adverse impact on military op-
erations and readiness and to clearly communicate to such
parties actions being taken by the Department of Defense
under this section. The procedures shall provide for filing
by such parties of a project area and preliminary project
layout at least one year before expected construction of
any project proposed within a military training route or
within line-of-sight of any air route surveillance radar or
airport surveillance radar operated or used by the Depart-
ment of Defense in order to provide adequate time for
analysis and negotiation of mitigation options. Material
marked as proprietary or competition sensitive by a party
filing for this preliminary review shall be protected from
public release by the Department of Defense.

“(d) COMPREHENSIVE REVIEW.—(1) The Secretary
of Defense shall develop a comprehensive strategy for ad-
dressing the impacts upon the military of projects filed
with the Secretary of Transportation pursuant to section
44718 of title 49.

“(2) In developing the strategy required by para-
graph (1), the Secretary shall—

“(A) assess the magnitude of interference posed
by projects filed with the Secretary of Transpor-
tation pursuant to section 44718 of title 49;

“(B) solely for the purpose of informing pre-
liminary reviews under subsection (e)(1) and early
outreach efforts under subsection (c)(5), identify distinct geographic areas selected as proposed locations for projects filed, or for projects that are reasonably expected to be filed in the near future, with the Secretary of Transportation pursuant to section 44718 of title 49 where the Secretary of Defense can demonstrate such projects could have an adverse impact on military operations and readiness, including military training routes, and categorize the risk of adverse impact in such areas;

“(C) develop procedures for the initial identification of such geographic areas identified under subparagraph (B), to include a process to provide notice and seek public comment prior to making a final designation of the geographic areas, including maps of the area and the basis for identification;

“(D) develop procedures to periodically review and modify, consistent with the notice and public comment process under subparagraph (C), geographic areas identified under subparagraph (B) and to solicit and identify additional geographic areas as appropriate;

“(E) at the conclusion of the notice and public comment period conducted under subparagraph (C), make a final finding on the designation of a geo-
graphic area of concern or delegate the authority to
make such finding to a Deputy Secretary of De-
fense, an Under Secretary of Defense, or a Principal
Deputy Under Secretary of Defense; and

“(F) specifically identify feasible and affordable
long-term actions that may be taken to mitigate ad-
verse impacts of projects filed, or which may be filed
in the future, with the Secretary of Transportation
pursuant to section 44718 of title 49, on military
operations and readiness, including—

“(i) investment priorities of the Depart-
ment of Defense with respect to research and
development;

“(ii) modifications to military operations to
accommodate applications for such projects;

“(iii) recommended upgrades or modifica-
tions to existing systems or procedures by the
Department of Defense;

“(iv) acquisition of new systems by the De-
partment and other departments and agencies
of the Federal Government and timelines for
fielding such new systems; and

“(v) modifications to the projects for which
such applications are filed with the Secretary of
Transportation pursuant to section 44718 of
title 49, including changes in size, location, or technology.

“(3) The Clearinghouse shall make access to data reflecting geographic areas identified under subparagraph (B) of paragraph (2) and reviewed and modified under subparagraph (C) of such paragraph available online.

“(e) DEPARTMENT OF DEFENSE FINDING OF UNACCEPTABLE RISK.—(1) The Secretary of Defense may not object to an energy project filed with the Secretary of Transportation pursuant to section 44718 of title 49, except in a case in which the Secretary of Defense determines, after giving full consideration to mitigation actions identified pursuant to this section, that such project, in isolation or cumulatively with other projects, would result in an unacceptable risk to the national security of the United States. The Secretary of Defense’s finding of unacceptable risk to national security shall be transmitted to the Secretary of Transportation for inclusion in the report required under section 44718(b)(2) of title 49.

“(2)(A) Not later than 30 days after making a finding of unacceptable risk under paragraph (1), the Secretary of Defense shall submit to the congressional defense committees, the Committee on Commerce, Science, and Transportation of the Senate, and the Committee on Transportation and Infrastructure of the House of Rep-
resentatives a report on such finding and the basis for such finding. Such report shall include an explanation of the operational impact that led to the finding, a discussion of the mitigation options considered, and an explanation of why the mitigation options were not feasible or did not resolve the conflict. The report may include a classified annex. Unclassified reports shall also be provided to the project proponent. The Secretary of Defense may provide public notice through the Federal Register of the finding.

``(B) The Secretary of Defense shall notify the appropriate State agency of a finding made under paragraph (1).

``(3) The Secretary of Defense may only delegate the responsibility for making a finding of unacceptable risk under paragraph (1) to the Deputy Secretary of Defense, an under secretary of defense, or a deputy under secretary of defense.

``(4) The Clearinghouse shall develop procedures for making a finding of unacceptable risk, including with respect to how to implement cumulative effects analysis. Such procedures shall be subject to public comment prior to finalization.

``(f) Authority to Accept Contributions of Funds.—The Secretary of Defense is authorized to request and accept a voluntary contribution of funds from
an applicant for a project filed with the Secretary of Transportation pursuant to section 44718 of title 49. Amounts so accepted shall remain available until expended for the purpose of offsetting the cost of measures undertaken by the Secretary of Defense to mitigate adverse impacts of such a project on military operations and readiness or to conduct studies of potential measures to mitigate such impacts.

“(g) Effect of Department of Defense Hazard Assessment.—An action taken pursuant to this section shall not be considered to be a substitute for any assessment or determination required of the Secretary of Transportation under section 44718 of title 49.

“(h) Definitions.—In this section:

“(1) The term ‘adverse impact on military operations and readiness’ means any adverse impact upon military operations and readiness, including flight operations, research, development, testing, and evaluation, and training, that is demonstrable and is likely to impair or degrade the ability of the armed forces to perform their warfighting missions.

“(2) The term ‘energy project’ means a project that provides for the generation or transmission of electrical energy.
“(3) The term ‘landowner’ means a person that owns a fee interest in real property on which a proposed energy project is planned to be located.

“(4) The term ‘military installation’ has the meaning given that term in section 2801(c)(4) of this title.

“(5) The term ‘military readiness’ includes any training or operation that could be related to combat readiness, including testing and evaluation activities.

“(6) The term ‘military training route’ means a training route developed as part of the Military Training Route Program, carried out jointly by the Federal Aviation Administration and the Secretary of Defense, for use by the armed forces for the purpose of conducting low-altitude, high-speed military training.

“(7) The term ‘unacceptable risk to the national security of the United States’ means the construction, alteration, establishment, or expansion, or the proposed construction, alteration, establishment, or expansion, of a structure or sanitary landfill, that the Secretary of Defense can demonstrate would—

“(A) endanger safety in air commerce directly related to the activities of the Department of Defense;
“(B) interfere with the efficient use of the navigable airspace directly related to the activities of the Department of Defense; or

“(C) significantly impair or degrade the capability of the Department of Defense to conduct training, research, development, testing, and evaluation, and operations or to maintain military readiness.”.

(b) CONFORMING AND CLERICAL AMENDMENTS.—


(2) CROSS-REFERENCE IN TITLE 49, UNITED STATES CODE.—Section 44718(f) of title 49, United States Code, is amended by inserting “and in accordance with section 183a(e) of title 10” after “conducted under subsection (b)”.

(3) REFERENCE TO DEFINITIONS.—Section 44718(g) of title 49, United States Code, is amended by striking “211.3 of title 32, Code of Federal Regulations, as in effect on January 6, 2014” both places it appears and inserting “183a(g) of title 10”.

(4) TABLE OF SECTIONS AMENDMENT.—The table of sections at the beginning of chapter 7 of
title 10 is amended by inserting after the item relating to section 183 the following new item:

“183a. Military Aviation and Installation Assurance Siting Clearinghouse for review of mission obstructions.”.

(c) APPLICABILITY OF EXISTING RULES AND REGULATIONS.—Notwithstanding the amendments made by subsection (a), any rule or regulation promulgated to carry out section 358 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (49 U.S.C. 44718 note), that is in effect on the day before the date of the enactment of this Act shall continue in effect and apply to the extent such rule or regulation is consistent with the authority under section 183a of title 10, United States Code, as added by subsection (a), until such rule or regulation is otherwise amended or repealed.

(d) DEADLINE FOR INITIAL IDENTIFICATION OF GEOGRAPHIC AREAS.—The initial identification of geographic areas under section 183a(d)(2)(B) of title 10, United States Code, as added by subsection (a), shall be completed not later than 180 days after the date of the enactment of this Act.

(e) CONFORMING AMENDMENT REGARDING CRITICAL MILITARY-USE AIRSPACE AREAS.—Section 44718 of title 49, United States Code, as amended by subsection (b)(3), is further amended—
(1) by redesignating subsection (g) as subsection (h); and

(2) by inserting after subsection (f) the following new subsection:

“(g) SPECIAL RULE FOR IDENTIFIED GEOGRAPHIC AREAS.—In the case of a proposed structure to be located within a geographic area identified under section 183a(d)(2)(B) of title 10, the Secretary of Transportation may not issue a determination pursuant to this section until the Secretary of Defense issues a finding under section 183a(e) of title 10, the Secretary of Defense advises the Secretary of Transportation that no finding under section 183a(e) of title 10 will be forthcoming, or 180 days have lapsed since the project was filed with the Secretary of Transportation pursuant to this section, whichever occurs first.”

SEC. 312. ENERGY PERFORMANCE GOALS AND MASTER PLAN.

Section 2911(c) of title 10, United States Code, is amended—

(1) in paragraph (1), by inserting before the period at the end the following: “, the future demand for energy, and the requirements for the use of energy”;
(2) in paragraph (2), by striking “reduce the future demand and the requirements for the use of energy” and inserting “enhance energy resilience to ensure the Department of Defense has the ability to prepare for and recover from energy disruptions that affect mission assurance on military installations”;

and

(3) by adding at the end the following new paragraph:

“(13) Opportunities to leverage financing provided by a non-Department entity to address installation energy needs.”.

SEC. 313. PAYMENT TO ENVIRONMENTAL PROTECTION AGENCY OF STIPULATED PENALTY IN CONNECTION WITH UMATILLA CHEMICAL DEPOT, OREGON.

(a) Authority to Transfer Funds.—

(1) Transfer Amount.—The Secretary of the Army may transfer an amount of not more than $125,000 to the Hazardous Substance Superfund established under subchapter A of chapter 98 of the Internal Revenue Code of 1986. Any such transfer shall be made without regard to section 2215 of title 10, United States Code.
(2) Source of Funds.—Any transfer under subsection (a) shall be made using funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for Base Realignment and Closure, Army.

(b) Purpose of Transfer.—A transfer under subsection (a) shall be for the purpose of satisfying a stipulated penalty assessed by the Environmental Protection Agency in the settlement agreement approved by the Army on July 14, 2016, against the Umatilla Chemical Depot, Oregon under the Federal Facility Agreement between the Army and the Environmental Protection Agency dated September 19, 1989.

(e) Acceptance of Payment.—If the Secretary of the Army makes a transfer under subsection (a), the Administrator of the Environmental Protection Agency shall accept the amount transferred as payment in full of the penalty referred to in subsection (b).

SEC. 314. PAYMENT TO ENVIRONMENTAL PROTECTION AGENCY OF STIPULATED PENALTY IN CONNECTION WITH LONGHORN ARMY AMMUNITION PLANT, TEXAS.

(a) Authority to Transfer Funds.—

(1) Transfer Amount.—The Secretary of the Army may transfer an amount of not more than
$1,185,000 to the Hazardous Substance Superfund established under subchapter A of chapter 98 of the Internal Revenue Code of 1986. Any such transfer shall be made without regard to section 2215 of title 10, United States Code.

(2) SOURCE OF FUNDS.—Any transfer under subsection (a) shall be made using funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for Environmental Restoration, Army.

(b) PURPOSE OF TRANSFER.—A transfer under subsection (a) shall be for the purpose of satisfying a stipulated penalty assessed by the Environmental Protection Agency on April 5, 2013, against Longhorn Army Ammunition Plant, Texas, under the Federal Facility Agreement for Longhorn Army Ammunition Plant, which was entered into between the Army and the Environmental Protection Agency in 1991.

(c) ACCEPTANCE OF PAYMENT.—If the Secretary of the Army makes a transfer under subsection (a), the Administrator of the Environmental Protection Agency shall accept the amount transferred as payment in full of the penalty referred to in subsection (b).
SEC. 315. DEPARTMENT OF THE ARMY CLEANUP AND REMOVAL OF PETROLEUM, OIL, AND LUBRICANT ASSOCIATED WITH THE PRINZ EUGEN.

(a) AUTHORITY.—Amounts authorized to be appropriated for the Department of the Army may by used for all necessary expenses for the removal and cleanup of petroleum, oil, and lubricants associated with the heavy cruiser Prinz Eugen, which was transferred from the United States to the Republic of the Marshall Islands in 1986.

(b) CERTIFICATION.—If the Secretary of the Army does not use the authority provided by subsection (a), the Secretary shall submit a certification to the congressional defense committees not later than September 30, 2018, that the petroleum, oil, and lubricants associated with the heavy cruiser Prinz Eugen do not adversely impact safety or military operations.

SEC. 316. CENTERS FOR DISEASE CONTROL STUDY ON HEALTH IMPLICATIONS OF PER- AND POLYFLUOROALKYL SUBSTANCES CONTAMINATION IN DRINKING WATER.

(a) STUDY ON HUMAN HEALTH IMPLICATIONS.—

(1) IN GENERAL.—The Secretary of Health and Human Services, acting through the Centers for Disease Control and Prevention and the Agency for Toxic Substances and Disease Registry, and, as ap-
appropriate, the National Institute of Environmental Health Sciences, and in consultation with the Department of Defense, shall—

(A) commence a study on the human health implications of per- and polyfluoroalkyl substances (PFAS) contamination in drinking water, ground water, and any other sources of water and relevant exposure pathways, including the cumulative human health implications of multiple types of PFAS contamination at levels above and below health advisory levels;

(B) not later than 5 years after the date of enactment of this Act (or 7 years after such date of enactment after providing notice to the appropriate congressional committees of the need for the delay)—

(i) complete such study and make any appropriate recommendations; and

(ii) submit a report to the appropriate congressional committees on the results of such study; and

(C) not later than one year after the date of the enactment of this Act, and annually thereafter until submission of the report under subparagraph (B)(ii), submit to the appropriate
congressional committees a report on the progress of the study.

(2) FUNDING.—Of the amounts authorized to be appropriated by this Act for the Department of Defense, $7,000,000 shall be available to carry out the study under this subsection.

(3) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term “appropriate congressional committees” means—

(A) the congressional defense committees;

(B) the Committee on Health, Education, Labor, and Pensions, the Committee on Environment and Public Works, and the Committee on Veterans’ Affairs of the Senate; and

(C) the Committee on Energy and Commerce and the Committee on Veterans’ Affairs of the House of Representatives.

(b) EXPOSURE ASSESSMENT.—

(1) IN GENERAL.—The Secretary of Health and Human Services, acting through the Centers for Disease Control and Prevention and the Agency for Toxic Substances and Disease Registry, and, as appropriate, the National Institute of Environmental Health Sciences, and in consultation with the Department of Defense, shall conduct an exposure as-
essment of no less than 8 current or former domes-
tic military installations known to have PFAS con-
tamination in drinking water, ground water, and any
other sources of water and relevant exposure path-
ways.

(2) CONTENTS.—The exposure assessment re-
quired under this subsection shall—

(A) include—

(i) for each military installation cov-
ered under the exposure assessment, a sta-
tistical sample to be determined by the
Secretary of Health and Human Services
in consultation with the relevant State
health departments; and

(ii) bio-monitoring for assessing the
contamination described in paragraph (1);

and

(B) produce findings, which shall be—

(i) used to help design the study de-
scribed in subsection (a)(1)(A); and

(ii) released to the appropriate con-
gressional committees not later than 1 year
after the conclusion of such exposure as-
essment.
(3) TIMING.—The exposure assessment required under this subsection shall—

(A) begin not later than 180 days after the date of enactment of this Act; and

(B) conclude not later than 2 years after such date of enactment.

c) COORDINATION WITH OTHER AGENCIES.—The Agency for Toxic Substance and Disease Registry may, as necessary, use staff and other resources from other Federal agencies in carrying out the study under subsection (a) and the assessment under subsection (b).

d) NO EFFECT ON REGULATORY PROCESS.—The study and assessment conducted under this section shall not interfere with any regulatory processes of the Environmental Protection Agency, including determinations of maximum contaminant levels.

SEC. 317. SENTINEL LANDSCAPES PARTNERSHIP.

(a) ESTABLISHMENT.—The Secretary of Defense, in coordination with the Secretary of Agriculture and the Secretary of the Interior, may establish and carry out a program to preserve sentinel landscapes. The program shall be known as the “Sentinel Landscapes Partnership”.

(b) DESIGNATION OF SENTINEL LANDSCAPES.—The Secretary of Defense, the Secretary of Agriculture, and the Secretary of the Interior, may, as the Secretaries de-
termine appropriate, collectively designate one or more sentinel landscapes.

(c) COORDINATION OF ACTIVITIES.—The Secretaries may coordinate actions between their departments and with other agencies and private organizations to more efficiently work together for the mutual benefit of conservation, working lands, and national defense, and to encourage private landowners to engage in voluntary land management and conservation activities that contribute to the sustainment of military installations, ranges, and airspace.

(d) PRIORITY CONSIDERATION.—The Secretary of Agriculture and the Secretary of the Interior may give to any eligible landowner or agricultural producer within a designated sentinel landscape priority consideration for participation in any easement, grant, or assistance programs administered by that Secretary’s department. Participation in any such program pursuant to this section shall be voluntary.

(e) DEFINITIONS.—In this section:

(1) MILITARY INSTALLATION.—The term “military installation” has the same meaning as provided in section 670(1) of title 16, United States Code.

(2) STATE-OWNED NATIONAL GUARD INSTALLATION.—The term “State-owned National Guard in-
installation” has the same meaning as provided in section 670(3) of title 16, United States Code.

(3) SENTINEL LANDSCAPE.—The term “sentinel landscape” means a landscape-scale area encompassing—

(A) one or more military installations or state-owned National Guard installations and associated airspace; and

(B) the working or natural lands that serve to protect and support the rural economy, the natural environment, outdoor recreation, and the national defense test and training missions of the military- or State-owned National Guard installation or installations.

(f) CONFORMING AMENDMENT.—Section 312(b) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 729; 10 U.S.C. 2684a note) is repealed.

SEC. 318. REPORT ON RELEASE OF RADIUM OR RADIOACTIVE MATERIAL INTO THE GROUNDWATER NEAR THE INDUSTRIAL RESERVE PLANT IN BETHPAGE, NEW YORK.

Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress an addendum to the report submitted to Con-
gress in June 2017 entitled “2017 Annual Report For
Groundwater Impacts at Naval Weapons Industrial Re-
serve Plant Bethpage, New York” that would detail any
releases by the Department of Defense of radium or radio-
active material into the groundwater within a 75-mile ra-
dius of the industrial reserve plant in Bethpage, New
York.

Subtitle C—Logistics and
Sustainment

SEC. 321. REAUTHORIZATION OF MULTI-TRADES DEM-
ONSTRATION PROJECT.

Section 338 of the National Defense Authorization
5013 note), as most recently amended by section 321 of
the National Defense Authorization Act for Fiscal Year
2013 (Public Law 112–239; 126 Stat. 1694) is amend-
ed—

(1) in subsection (d), by striking “2018” and
inserting “2023”; and

(2) in subsection (e), by striking “2019” and
inserting “2024”.

SEC. 322. INCREASED PERCENTAGE OF SUSTAINMENT FUNDS AUTHORIZED FOR REALIGNMENT TO RESTORATION AND MODERNIZATION AT EACH INSTALLATION.

(a) IN GENERAL.—The Secretary of Defense may authorize an installation commander to realign up to 7.5 percent of an installation’s sustainment funds to restoration and modernization.

(b) SUNSET.—The authority under subsection (a) shall expire at the close of September 30, 2022.

(c) DEFINITIONS.—The terms “sustainment”, “restoration”, and “modernization” have the meanings given the terms in the Department of Defense Financial Management Regulation.

SEC. 323. GUIDANCE REGARDING USE OF ORGANIC INDUSTRIAL BASE.

Not later than 90 days after the date of the enactment of this Act, the Secretary of the Army shall establish clear and prescriptive guidance on the process for conducting make-or-buy analyses for Army requirements, including the use of the organic industrial base.

Subtitle D—Reports

SEC. 331. QUARTERLY REPORTS ON PERSONNEL AND UNIT READINESS.

(a) MODIFICATION AND IMPROVEMENT.—Section 482 of title 10, United States Code, is amended—
(1) in subsection (a)—

(A) by striking “Each report” and inserting “The reports for the first and third quarters of a calendar year”; and

(B) by adding at the end the following new sentence: “The reports for the second and fourth quarters of a calendar year shall contain the information required by subsection (j).”;

(2) in subsection (b)—

(A) in the subsection heading, by striking “AND REMEDIAL ACTIONS”;

(B) in the matter preceding paragraph (1), by striking “Each report” and inserting “A report for the second or fourth quarter of a calendar year”;

(C) in paragraph (1), by inserting “and” after the semicolon;

(D) by striking paragraph (2); and

(E) by redesignating paragraph (3) as paragraph (2);

(3) in subsection (d)(1), by striking “Each report” and inserting “A report for the second or fourth quarter of a calendar year”;
(4) in subsection (e), by striking “Each report” and inserting “A report for the second or fourth quarter of a calendar year”;

(5) in subsection (f)(1), by striking “Each report” and inserting “A report for the second or fourth quarter of a calendar year”;

(6) in subsection (g)(1), by striking “Each report” and inserting “A report for the second or fourth quarter of a calendar year”; and

(7) by adding at the end the following new subsection:

“(j) REMEDIAL ACTIONS.—A report for the first or third quarter of a calendar year shall include—

“(1) a description of the mitigation plans of the Secretary to address readiness shortfalls and operational deficiencies identified in the report submitted for the preceding calendar quarter; and

“(2) for each such shortfall or deficiency, a timeline for resolution, the cost necessary for such resolution, the mitigation strategy the Department will employ until the resolution is in place, and any legislative remedies required.”.

(b) CONFORMING AMENDMENTS.—Section 117 of title 10, United States Code, is amended—

(1) in subsection (d)—
(A) in the subsection heading, by striking “QUARTERLY” and inserting “SEMI-ANNUAL”;

and

(B) in paragraph (1)(A), by striking “quarterly” and inserting “semi-annual”; and

(2) in subsection (e), by striking “each quarter” and inserting “semi-annually”.

SEC. 332. BIENNIAL REPORT ON CORE DEPOT-LEVEL MAINTENANCE AND REPAIR CAPABILITY.

Section 2464(d) of title 10, United States Code, is amended by adding at the end the following new paragraphs:

“(4) Any workload shortfalls at any workload breakdown structure category designated as a lower-level category pursuant to Department of Defense Instruction 4151.20, or any successor instruction.

“(5) A description of any workload executed at a category designated as a first-level category pursuant to such Instruction, or any successor instruction, that could be used to mitigate shortfalls in similar categories.

“(6) A description of any progress made on implementing mitigation plans developed pursuant to paragraph (3).
"(7) A description of core capability requirements and corresponding workloads at the first level category.

"(8) In the case of any shortfall that is identified, a description of the shortfall and an identification of the subcategory of the work breakdown structure in which the shortfall occurred.

"(9) In the case of any work breakdown structure category designated as a special interest item or other pursuant to such Instruction, or any successor instruction, an explanation for such designation.

"(10) Whether the core depot-level maintenance and repair capability requirements described in the report submitted under this subsection for the preceding fiscal year have been executed."

SEC. 333. ANNUAL REPORT ON PERSONNEL, TRAINING, AND EQUIPMENT NEEDS OF NON-FEDERALIZED NATIONAL GUARD.

(a) ANNUAL REPORT REQUIRED.—Section 10504 of title 10, United States Code, as amended by section 1051, is further amended—

(1) in subsection (a)—

(A) in the subsection heading, by striking "REPORT" and inserting "REPORT ON STATE OF THE NATIONAL GUARD"; and
(B) by striking “The report” and inserting

the following:

“(2) The annual report required by paragraph

(1)”; and

(2) by adding at the end the following new sub-
section:

“(b) ANNUAL REPORT ON NON-FEDERALIZED SERV-
ICE NATIONAL GUARD PERSONNEL, TRAINING, AND
EQUIPMENT REQUIREMENTS.—(1) Not later than Janu-
ary 31 of each of calendar years 2018 through 2020, the
Chief of the National Guard Bureau, in coordination with
the Secretary of Defense, shall submit to the recipients
described in paragraph (3) a report that identifies the per-
sonnel, training, and equipment required by the non-Fed-
eralized National Guard—

“(A) to support civilian authorities in con-
nection with natural and man-made disasters
during the covered period; and

“(B) to carry out prevention, protection,
mitigation, response, and recovery activities re-
lating to such disasters during the covered pe-
riod.

“(2) In preparing each report under paragraph (1),
the Chief of the National Guard Bureau shall—
“(A) consult with the chief executive of each State, the Council of Governors, and other appropriate civilian authorities;

“(B) collect and validate information from each State relating to the personnel, training, and equipment requirements described in paragraph (1);

“(C) set forth separately the personnel, training, and equipment requirements for—

“(i) each of the emergency support functions of the National Response Framework; and

“(ii) each of the Federal Emergency Management Agency regions;

“(D) assess core civilian capability gaps relating to natural and man-made disasters, as identified by States in submissions to the Department of Homeland Security;

“(E) take into account threat and hazard identifications and risk assessments of the Department of Defense, the Department of Homeland Security, and the States; and

“(F) assess the budgets of each State to support the personnel, training, and equipment requirements of the non-Federalized National Guard.

“(3) The annual report required by paragraph (1) shall be submitted to the following officials:
“(A) The congressional defense committees, the Committee on Homeland Security of the House of Representatives, and the Committee on Homeland Security and Governmental Affairs of the Senate.

“(B) The Secretary of Defense.

“(C) The Secretary of Homeland Security.

“(D) The Council of Governors.

“(E) The Secretary of the Army.

“(F) The Secretary of the Air Force.

“(G) The Commander of the United States Northern Command.


“(I) The Commander of the United States Cyber Command.

“(4) In this subsection, the term ‘covered period’ means the fiscal year beginning after the date on which a report is submitted under paragraph (1).”.

(b) Clerical Amendments.—

(1) Section heading.—The heading of such section is amended to read as follows:

“§10504. Chief of National Guard Bureau: annual reports”.

(2) Table of contents.—The table of sections at the beginning of chapter 1011 of title 10,
United States Code, is amended by striking the item relating to section 10504 and inserting the following:

“10504. Chief of National Guard Bureau: annual reports.”

SEC. 334. ANNUAL REPORT ON MILITARY WORKING DOGS USED BY THE DEPARTMENT OF DEFENSE.

(a) CAPACITY.—The Secretary of Defense, acting through the Executive Agent for Military Working Dogs (hereinafter in this section referred to as the “Executive Agent”), shall—

(1) identify the number of military working dogs required to fulfill the various missions of the Department of Defense for which such dogs are used, including force protection, facility and checkpoint security, and explosives and drug detection;

(2) take such steps as are practicable to ensure an adequate number of military working dog teams are available to meet and sustain the mission requirements identified in paragraph (1);

(3) ensure that the Department’s needs and performance standards with respect to military working dogs are readily available to dog breeders and trainers; and

(4) coordinate with other Federal, State, and local agencies, nonprofit organizations, universities, and private sector entities, as appropriate, to in-
crease the training capacity for military working dog

teams.

(b) MILITARY WORKING DOG PROCUREMENT.—The
Secretary, acting through the Executive Agent, shall work
to ensure that military working dogs are procured as effi-
ciently as possible and at the best value to the Govern-
ment, while maintaining the necessary level of quality and
encouraging increased domestic breeding.

c) ANNUAL REPORT.—Not later than 90 days after
the date of the enactment of this Act, and annually there-
after until September 30, 2021, the Secretary, acting
through the Executive Agent, shall submit to the congres-
sional defense committees a report on the procurement
and retirement of military working dogs for the fiscal year
preceding the fiscal year during which the report is sub-
mitted. Each report under this subsection shall include the
following for the fiscal year covered by the report:

(1) The number of military working dogs pro-
cured, by source, by each military department or De-
fense Agency.

(2) The cost of procuring military working dogs
incurred by each military department or Defense
Agency.

(3) The number of domestically-bred and
sourced military working dogs procured by each mili-
tary department or Defense Agency, including a list of vendors, their location, cost, and the quantity of dogs procured from each vendor.

(4) The number of non-domestically-bred military working dogs procured from non-domestic sources by each military department or Defense Agency, including a list of vendors, their location, cost, and the quantity of dogs procured from each vendor.

(5) The cost of procuring pre-trained and green dogs for force protection, facility and checkpoint security, and improvised explosive device, other explosives, and drug detection.

(6) An analysis of the procurement practices of each military department or Defense Agency that limit market access for domestic canine vendors and breeders.

(7) The total cost of procuring domestically-bred military working dogs versus the total cost of procuring dogs from non-domestic sources.

(8) The total number of domestically-bred dogs and the number of dogs from foreign sources procured by each military department or Defense Agency and the number and percentage of those dogs that are ultimately deployed for their intended use.
(9) An explanation for any significant difference in the cost of procuring military working dogs from different sources.

(10) An estimate of the number of military working dogs expected to retire annually and an identification of the primary cause of the retirement of such dogs.

(11) An identification of the final disposition of military working dogs no longer in service.

(d) Military Working Dog Defined.—For purposes of this section, the term “military working dog” means a dog used in any official military capacity, as defined by the Secretary of Defense.

SEC. 335. REPORT ON EFFECTS OF CLIMATE CHANGE ON DEPARTMENT OF DEFENSE.

(a) Findings.—Congress makes the following findings:

(1) Secretary of Defense James Mattis has stated: “It is appropriate for the Combatant Commands to incorporate drivers of instability that impact the security environment in their areas into their planning.”.

(2) Secretary of Defense James Mattis has stated: “I agree that the effects of a changing climate — such as increased maritime access to the
Arctic, rising sea levels, desertification, among others — impact our security situation.”.

(3) Chairman of the Joint Chiefs of Staff Joseph Dunford has stated: “It’s a question, once again, of being forward deployed, forward engaged, and be in a position to respond to the kinds of natural disasters that I think we see as a second or third order effect of climate change.”.

(4) Former Secretary of Defense Robert Gates has stated: “Over the next 20 years and more, certain pressures-population, energy, climate, economic, environmental-could combine with rapid cultural, social, and technological change to produce new sources of deprivation, rage, and instability.”.

(5) Former Chief of Staff of the U.S. Army Gordon Sullivan has stated: “Climate change is a national security issue. We found that climate instability will lead to instability in geopolitics and impact American military operations around the world.”.

(6) The Office of the Director of National Intelligence (ODNI) has stated: “Many countries will encounter climate-induced disruptions—such as weather-related disasters, drought, famine, or damage to infrastructure—that stress their capacity to respond, cope with, or adapt. Climate-related impacts will also
contribute to increased migration, which can be par-
ticularly disruptive if, for example, demand for food
and shelter outstrips the resources available to assist
those in need.”.

(7) The Government Accountability Office
(GAO) has stated: “DOD links changes in precipita-
tion patterns with potential climate change impacts
such as changes in the number of consecutive days
of high or low precipitation as well as increases in
the extent and duration of droughts, with an associ-
ated increase in the risk of wildfire. . . this may re-
sult in mission vulnerabilities such as reduced live-
fire training due to drought and increased wildfire
risk.”.

(8) A three-foot rise in sea levels will threaten
the operations of more than 128 United States mili-
tary sites, and it is possible that many of these at-
risk bases could be submerged in the coming years.

(9) As global temperatures rise, droughts and
famines can lead to more failed states, which are
breeding grounds of extremist and terrorist organi-
izations.

(10) In the Marshall Islands, an Air Force
radar installation built on an atoll at a cost of
$1,000,000,000 is projected to be underwater within two decades.

(11) In the western United States, drought has amplified the threat of wildfires, and floods have damaged roads, runways, and buildings on military bases.

(12) In the Arctic, the combination of melting sea ice, thawing permafrost, and sea-level rise is eroding shorelines, which is damaging radar and communication installations, runways, seawalls, and training areas.

(13) In the Yukon Training Area, units conducting artillery training accidentally started a wildfire despite observing the necessary practices during red flag warning conditions.

(b) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) climate change is a direct threat to the national security of the United States and is impacting stability in areas of the world both where the United States Armed Forces are operating today, and where strategic implications for future conflict exist;

(2) there are complexities in quantifying the cost of climate change on mission resiliency, but the Department of Defense must ensure that it is pre-
pared to conduct operations both today and in the future and that it is prepared to address the effects of a changing climate on threat assessments, resources, and readiness; and

(3) military installations must be able to effectively prepare to mitigate climate damage in their master planning and infrastructure planning and design, so that they might best consider the weather and natural resources most pertinent to them.

(c) REPORT.—

(1) REPORT REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on vulnerabilities to military installations and combatant commander requirements resulting from climate change over the next 20 years.

(2) ELEMENTS.—The report on vulnerabilities to military installations and combatant commander requirements required by paragraph (1) shall include the following:

(A) A list of the ten most vulnerable military installations within each service based on the effects of rising sea tides, increased flood-
ing, drought, desertification, wildfires, thawing
permafrost, and any other categories the Sec-
retary determines necessary.

(B) An overview of mitigations that may
be necessary to ensure the continued oper-
ational viability and to increase the resiliency of
the identified vulnerable military installations
and the cost of such mitigations.

(C) A discussion of the climate-change re-
lated effects on the Department, including the
increase in the frequency of humanitarian as-
sistance and disaster relief missions and the
theater campaign plans, contingency plans, and
global posture of the combatant commanders.

(D) An overview of mitigations that may
be necessary to ensure mission resiliency and
the cost of such mitigations.

(3) FORM.—The report required under para-
graph (1) shall be submitted in unclassified form,
but may contain a classified annex.

SEC. 336. REPORT ON OPTIMIZATION OF TRAINING IN AND
MANAGEMENT OF SPECIAL USE AIRSPACE.

(a) IN GENERAL.—Not later than 120 days after the
and the Administrator of the Federal Aviation Administration shall submit to Congress a report on optimization of training in and management of special use airspace that includes the following:

(1) Best practices for the management of special use airspace, including practices that—

(A) result in cost savings relating to training;

(B) increase training opportunities for airmen;

(C) increase joint use of such airspace;

(D) improve coordination with respect to such airspace with—

(i) the Federal Aviation Administration;

(ii) Indian tribes;

(iii) airports, civilian aircraft operators, and local communities; and

(iv) private landowners and other stakeholders; or

(E) improve the coordination of large force exercises, including the use of waivers or other exceptional measures.
(2) An assessment of whether the capacity of ranges, including limitations on flight operations, is adequate to meet current and future training needs.

(3) An assessment of whether the establishment of a dedicated squadron for the purpose of coordinating the use of a special use airspace at the installation located in that airspace would improve the achievement of the objectives described in subparagraphs (A) through (E) of paragraph (1).

(4) An assessment of the processes in place to consider, evaluate, and mitigate special use airspace impacts to the public right of transit through navigable airspace and the safe and efficient use of the National Airspace System by commercial and general aviation.

(5) Recommendations for improving the management and utilization of special use airspace to meet the objectives described in subparagraphs (A) through (E) of paragraph (1) and to address any gaps in capacity identified under paragraph (2).

(b) SPECIAL USE AIRSPACE DEFINED.—In this section, the term “special use airspace” means special use airspace designated under part 73 of title 14, Code of Federal Regulations.
SEC. 337. PLAN FOR MODERNIZED, DEDICATED DEPARTMENT OF THE NAVY ADVERSARY AIR TRAINING ENTERPRISE.

(a) PLAN REQUIRED.—The Chief of Naval Operations and the Commandant of the Marine Corps shall develop a plan—

(1) to establish a modernized, dedicated adversary air training enterprise for the Department of the Navy in order to—

(A) maximize warfighting effectiveness and synergies of the current and planned fourth and fifth generation combat air forces through optimized training and readiness; and

(B) harness intelligence analysis, emerging live-virtual-constructive training technologies, range infrastructure improvements, and results of experimentation and prototyping efforts in operational concept development;

(2) to explore all available opportunities to challenge the combat air forces of the Department of the Navy with threat representative adversary-to-friendly aircraft ratios, known and emerging adversary tactics, and high-fidelity replication of threat airborne and ground capabilities; and

(3) to execute all means available to achieve training and readiness goals and objectives of the
Navy and Marine Corps with demonstrated institutional commitment to the adversary air training enterprise through the application of Department of the Navy policy and resources, partnering with the other Armed Forces, allies, and friends, and employing the use of industry contracted services.

(b) PLAN ELEMENTS.—The plan required under subsection (a) shall include enterprise goals, objectives, concepts of operations, phased implementation timelines, analysis of expected readiness improvements, prioritized resource requirements, and such other matters as the Chief of Naval Operations and Commandant of the Marine Corps consider appropriate.

(e) SUBMITTAL OF PLAN AND BRIEFING.—Not later than March 1, 2018, the Chief of Naval Operations and Commandant of the Marine Corps shall provide to the Committees on Armed Services of the Senate and the House of Representatives a written plan and briefing on the plan required under subsection (a).

SEC. 338. UPDATED GUIDANCE REGARDING BIENNIAL CORE REPORT.

To ensure that the biennial core reporting procedures of the Department of Defense align with the requirements of section 2464 of title 10, United States Code, and that each reporting agency provides accurate and complete in-
formation, the Secretary of Defense shall direct the Under
Secretary of Defense for Acquisition, Technology and Lo-
gistics to update the Department of Defense Guidance, in
particular Department of Defense Instruction 4151.20, to
require future biennial core reports include instructions to
the reporting agencies on how to—

(1) report additional depot workload performed
that has not been identified as a core requirement;
(2) accurately capture inter-service workload;
(3) calculate shortfalls; and
(4) estimate the cost of planned workload.

Subtitle E—Other Matters

SEC. 341. EXPLOSIVE SAFETY BOARD.

(a) MODIFICATION AND IMPROVEMENT OF AMMUNI-
TION STORAGE BOARD.—Section 172 of title 10, United
States Code, is amended—

(1) by striking “The Secretaries of the military
departments” and inserting “(a) In General.—The
Secretary of Defense”;
(2) by inserting “that includes members” after
“joint board”;
(3) by striking “selected by them” and insert-
ing “selected by the Secretaries of the military de-
partments,”;
(4) by inserting “military” before “officers”;
(5) by inserting “designated as the chair and voting members of the board for each military department” after “officers”; 

(6) by inserting “and other” before “civilian officers”; 

(7) by striking “or both” and inserting “as necessary”; 

(8) by striking “keep informed on stored” and inserting “provide oversight on storage and transportation of”; and 

(9) by adding at the end the following new subsection: 

“(b) OVERSIGHT BY SECRETARIES OF THE MILITARY DEPARTMENTS.—The Secretaries of the military departments shall provide research, development, test, evaluation, and manufacturing oversight for energetic materials supporting military requirements.”.

(b) CLERICAL AMENDMENTS.—

(1) SECTION HEADING.—The heading of section 172 of title 10, United States Code, is amended by striking “Ammunition storage” and inserting “Explosive safety”.

(2) TABLE OF SECTIONS.—The table of sections at the beginning of chapter 7 of such title is amend-
ed by striking the item relating to section 172 and
inserting the following new item:

“172. Explosive safety board.”.

SEC. 342. SERVICEWOMEN’S COMMEMORATIVE PARTNER-
SHIPS.

(a) IN GENERAL.—The Secretary of Defense may
provide not more than $5,000,000 in financial support for
the acquisition, installation, and maintenance of exhibits,
facilities, historical displays, and programs at military
service memorials and museums that highlight the role of
women in the military. The Secretary may enter into a
contract, partnership, or grant with a non-profit organiza-
tion for the purpose of performing such acquisition, instal-
lation, and maintenance.

(b) PURPOSES.—The contracts, partnerships, or
grants shall be limited to serving the purposes of—

(1) preserving the history of the 3,000,000
women who have served in the United States Armed
Forces;

(2) managing an archive of artifacts, historic
memorabilia, and documents related to service-
women;

(3) maintaining a women veterans’ oral history
program; and

(4) conducting other educational programs re-
lated to women in service.
SEC. 343. LIMITATION ON AVAILABILITY OF FUNDS FOR ADVANCED SKILLS MANAGEMENT SOFTWARE SYSTEM OF THE NAVY.

(a) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for the Department of Defense may be obligated for the enhancement of the advanced skills management software system of the Navy until a period of 60 days has elapsed following the date on which Secretary of the Navy makes the submission required under subsection (b)(3).

(b) BRIEFING AND CERTIFICATION.—The Secretary of the Navy shall—

(1) provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing on any enhancements that are needed for the advanced skills management software system of the Navy;

(2) after providing the briefing under paragraph (1), issue a request for information for such enhancements in accordance with part 15.2 of the Federal Acquisition Regulation; and

(3) submit to the Committees on Armed Services of the Senate and the House of Representatives—
(A) the results of the request for information issued under paragraph (2); and

(B) a written certification that—

(i) as part of the request for information, the Secretary solicited information on commercially available off-the-shelf software solutions that may be used to enhance the advanced skills management software system of the Navy; and

(ii) the Secretary has considered using such solutions.

(c) Advanced Skills Management Software System Defined.—In this section, the term “advanced skills management software system” means a software application designed to—

(1) identify job task requirements for Navy personnel;

(2) assist in determining the proficiencies of such personnel;

(3) document qualifications and certifications of such personnel; and

(4) track the technical training completed by Navy aviation maintenance personnel.
SEC. 344. COST-BENEFIT ANALYSIS OF UNIFORM SPECIFICATIONS FOR AFGHAN MILITARY OR SECURITY FORCES.

Beginning on the date of the enactment of this Act, whenever the Secretary of Defense enters into a contract for the provision of uniforms for Afghan military or security forces, the Secretary shall conduct a cost-benefit analysis of the uniform specification for the Afghan military or security forces uniform. Such analysis shall determine—

(1) whether there is a more effective alternative uniform specification, considering both operational environment and cost, available to the Afghan military or security forces;

(2) the efficacy of the existing pattern compared to other alternatives (both proprietary and non-proprietary patterns); and

(3) the costs and feasibility of transitioning the uniforms of the Afghan military or security forces to a pattern owned by the United States, using existing excess inventory where available, and acquiring the rights to the Spec4ee Forest pattern.
SEC. 345. TEMPORARY INSTALLATION REUTILIZATION AUTHORITY FOR ARSENALS, DEPOTS, AND PLANTS.

(a) MODIFIED AUTHORITY.—In the case of a military manufacturing arsenal, depot, or plant, the Secretary of the Army may authorize up to 10 leases and contracts per fiscal year under section 2667 of title 10, United States Code, for a term of up to 25 years, notwithstanding subsection (b)(1) of such section, if the Secretary determines that a lease or contract of that duration will promote the national defense for the purpose of—

(1) helping to maintain the viability of the military manufacturing arsenal, depot, or plant and any military installations on which it is located;

(2) eliminating, or at least reducing, the cost of Government ownership of the military manufacturing arsenal, depot, or plant, including the costs of operations and maintenance, the costs of environmental remediation, and other costs; and

(3) leveraging private investment at the military manufacturing arsenal, depot, or plant through long-term facility use contracts, property management contracts, leases, or other agreements that support and advance the preceding purposes.

(b) DELEGATION AND REVIEW PROCESS.—
(1) IN GENERAL.—The Secretary of the Army may delegate the authority provided by this section to the commander of the major subordinate command of the Army that has responsibility for the military manufacturing arsenal, depot, or plant or, if part of a larger military installation, the installation as a whole. The commander may approve a lease or contract under such authority on a case-by-case basis or a class basis.

(2) NOTICE OF APPROVAL.—Upon any approval of a lease or contract by a commander pursuant to a delegation of authority under paragraph (1), the commander shall notify the Chief of the Army Corps of Engineers and Congress of the approval.

(3) REVIEW PERIOD.—Any lease or contract that is approved utilizing the delegation authority under paragraph (1) is subject to a 90-day hold period so that the Chief of the Army Corps of Engineers may review the lease or contract pursuant to paragraph (4).

(4) DISPOSITION OF REVIEW.—If the Chief of the Army Corps of Engineers disapproves of a contract or lease submitted for review under paragraph (3), the agreement shall be null and void upon transmittal by the Chief of the Army Corps of Engineers
to the delegating authority of a written disapproval, including a justification for such disapproval, within the 90-day hold period. If no such disapproval is transmitted within the 90-day hold period, the agreement shall be deemed approved.

(5) APPROVAL OF REVISED AGREEMENT.—If, not later than 60 days after receiving a disapproval under paragraph (4), the delegating authority submits to the Chief of the Army Corps of Engineers a new contract or lease that addresses the concerns of the Chief of the Army Corps of Engineers outlined in such disapproval, the new contract or lease shall be deemed approved unless the Chief of the Army Corps of Engineers transmits to the delegating authority a disapproval of the new contract or lease within 30 days of such submission.

(c) MILITARY MANUFACTURING ARSENAL, DEPOT, OR PLANT DEFINED.—In this section, the term “military manufacturing arsenal, depot, or plant” means a Government-owned, Government-operated defense plant of the Army that manufactures weapons, weapon components, or both.

(d) SUNSET.—The authority under this section shall terminate at the close of September 30, 2020. Any con-
tracts entered into on or before such date shall continue in effect according to their terms.

SEC. 346. COMPREHENSIVE PLAN FOR SHARING DEPOT-LEVEL MAINTENANCE BEST PRACTICES.

(a) In General.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a comprehensive plan for the sharing of best practices for depot-level maintenance among the military services.

(b) Elements.—The comprehensive plan required under subsection (a) shall cover the sharing of best practices with regard to—

(1) programing and scheduling;

(2) core capability requirements;

(3) workload;

(4) personnel management, development, and sustainment;

(5) induction, duration, efficiency, and completion metrics;

(6) parts, supply, tool, and equipment management;

(7) capital investment and manufacturing and production capability; and

(8) inspection and quality control.
SEC. 347. PILOT PROGRAM FOR OPERATION AND MAINTENANCE BUDGET PRESENTATION.

(a) In general.—Along with the budget for fiscal years 2019, 2020, and 2021 submitted by the President pursuant to section 1105(a) of title 31, United States Code, the Secretary of Defense and the Secretaries of the military departments shall submit to the Committees on Armed Services of the Senate and the House of Representa-
tives an annex for the following Operation and Mainten-
ance sub-activity groups (SAG):

(1) For the Army:

(A) SAG 111 – Maneuver Units.

(B) SAG 123 – Land Forces Depot Main-
tenance.

(C) SAG 131 – Base Operations Support.

(D) SAG 322 – Flight Training.

(2) For the Navy:

(A) SAG 1A5A – Aircraft Depot Mainte-
nance.

(B) SAG 1B1B – Mission and Other Ship
Operations.

(C) SAG 1B4B – Ship Depot Mainte-
nance.

(D) SAG BSS1 – Base Operating Support.

(3) For the Marine Corps:

(A) SAG 1A1A – Operational Forces.
(B) SAG 1A3A – Depot Maintenance.

(C) SAG 1B1B – Field Logistics.

(D) SAG BSS1 – Base Operating Support.

(4) For the Air Force:

(A) SAG 011A – Primary Combat Forces.

(B) SAG 011Y – Flying Hour Program.

(C) SAG 011Z – Base Support.

(D) SAG 021M – Depot Maintenance.

(b) ELEMENTS.—The annex required under subsection (a) shall include the following elements:

(1) A summary by appropriation account with subtotals for Department of Defense components.

(2) A summary of each appropriation account by budget activity, activity group, and sub-activity group with budget activity and activity group subtotals and an appropriation total.

(3) A detailed sub-activity group by program element and expense aggregate listing in budget activity and activity group sequence.

(4) A rollup document by sub-activity group with accompanying program element funding with the PB–61 program element tags included.

(5) A summary of each depot maintenance facility with information on workload, work force, sources of funding, and expenses similar to the ex-
hibit on Mission Funded Naval Shipyards included with the 2012 Navy Budget Justification.

(6) A summary of contractor logistics support for each program element, including a measure of workload and unit cost.

(c) FORMATTING.—The annex required under subsection (a) shall be formatted in accordance with relevant Department of Defense financial management regulations that provide guidance for budget submissions to Congress.

SEC. 348. REPURPOSING AND REUSE OF SURPLUS ARMY FIREARMS.

(a) REQUIRED TRANSFER.—Not later than 90 days after the date of the enactment of this Act, and subject to subsection (c), the Secretary of the Army shall transfer to a suitable organic facility all excess firearms, related spare parts and components, small arms ammunition, and ammunition components currently stored at Defense Distribution Depot, Anniston, Alabama, that are no longer actively issued for military service and that are otherwise prohibited from commercial sale, or distribution, under Federal law.

(b) REPURPOSING AND REUSE.—The items specified for transfer under subsection (a) shall be melted and repurposed for military use as determined by the Secretary of the Army, including—
(1) the reforging of new firearms or their components; and

(2) force protection barriers and security bollards.

(c) ITEMS EXEMPT FROM TRANSFER.—M–1 Garand, caliber .45 M1911/M1911A1 pistols, caliber .22 rimfire rifles, and such additional items as designated by the Secretary in the annual report required under subsection (d) are not subject to the transfer requirement under subsection (a).

(d) ANNUAL REPORT.—Not later than 5 days after the budget of the President for a fiscal year is submitted to Congress under section 1105 of title 31, United States Code, the Secretary of the Army, in coordination with the Director of the Defense Logistics Agency, shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report specifying additional excess firearms, related spare parts and components, small arms ammunition, and ammunition components designated as no longer actively issued for military service and that are otherwise prohibited from commercial sale, or distribution, under Federal law. The Secretary of the Army shall designate these items to either be added to the transfer list for the purposes described under subsection (b) or the list of items exempted under subsection
(c) The report may not include the redesignation or change in status of items previously designated for transfer or exemption pursuant to subsections (a) or (c).

(e) Actions Pursuant to Annual Report.—The Secretary of the Army may not take any action to transfer items designated in the report submitted under subsection (d) until the date of the enactment of the National Defense Authorization Act for the fiscal year following the year such report is submitted. Upon enactment of such Act, the Secretary shall transfer or exempt the items so designated.

SEC. 349. DEPARTMENT OF THE NAVY MARKSMANSHIP AWARDS.

Section 40728 of title 36, United States Code, is amended by adding at the end the following new subsection:

“(i) Authorized Navy Transfers.—(1) Notwithstanding subsections (a) and (b), the Secretary of the Navy may transfer to the corporation, in accordance with the procedures prescribed in this subchapter, M–1 Garand and caliber .22 rimfire rifles held within the inventories of the United States Navy and the United States Marine Corps and stored at Defense Distribution Depot, Anniston, Alabama, or Naval Surface Warfare Center, Crane,
Indiana, as of the date of the enactment of the National Defense Authorization Act for Fiscal Year 2018.

“(2) The items specified for transfer under paragraph (1)—

“(A) shall be used as awards for competitors in marksmanship competitions held by the United States Marine Corps or the United States Navy and may not be resold; and

“(B) shall be rendered inoperable prior to award and transfer to marksmanship competitors.”.

SEC. 350. CIVILIAN TRAINING FOR NATIONAL GUARD PILOTS AND SENSOR OPERATOR AIRCREWS OF MQ–9 UNMANNED AERIAL VEHICLES.

(a) Contracts for Training.—Subject to subsection (c), the Secretary of the Air Force may enter into one or more contracts with appropriate civilian entities in order to provide flying or operating training for Air National Guard pilots and sensor operator aircrew members in the MQ–9 unmanned aerial vehicle if the Secretary of the Air Force determines that—

(1) Air Force training units lack sufficient capacity to train such pilots or sensor operator aircrew members for initial qualification in the MQ–9 unmanned aerial vehicle;
(2) pilots or sensor operator aircrew members of Air National Guard units require continuation training in order to remain current and qualified in the MQ–9 unmanned aerial vehicle;

(3) non-combat continuation training in the MQ–9 unmanned aerial vehicle is necessary for such pilots or sensor operator aircrew members to achieve required levels of flying or operating proficiency; and

(4) such training for such pilots or sensor operator aircrew members is necessary in order to meet requirements for the Air National Guard to provide pilots and sensor operator aircrew members qualified in the MQ–9 unmanned aerial vehicle for operations on active duty and in State status.

(b) NATURE OF TRAINING UNDER CONTRACTS.—

Any training provided pursuant to a contract under subsection (a) shall incorporate a level of instruction that is equivalent to the instruction in the MQ–9 unmanned aerial vehicle provided to pilots and sensor operator aircrew members at Air Force training units, as determined by the Secretary of the Air Force.

(c) AUTHORITY CONTINGENT ON CERTIFICATION AND NOTICE AND WAIT PERIOD.—The Secretary of the Air Force may not use the authority in subsection (a) unless and until the Secretary of the Air Force certifies to
the congressional defense committees in writing, 90 days
in advance of executing such authority provided in sub-
section (a), that the use of the authority is necessary to
provide required flying or operating training for Air Na-
tional Guard pilots and sensor operator aircrew members
in the MQ–9 unmanned aerial vehicle.

SEC. 351. TRAINING FOR NATIONAL GUARD PERSONNEL ON
WILDFIRE RESPONSE.

The Secretary of the Army and the Secretary of the
Air Force may, in consultation with the Chief of the Na-
tional Guard Bureau, provide support for training of ap-
propriate personnel of the National Guard on wildfire re-
response and prevention, with preference given to military
installations with the highest wildfire suppression need.

SEC. 352. MODIFICATION OF THE SECOND DIVISION MEMO-
RIAL.

(a) AUTHORIZATION.—The Second Indianhead Divi-
sion Association, Inc., Scholarship and Memorials Foun-
dation, an organization described in section 501(c)(3) of
the Internal Revenue Code of 1986 and exempt from tax-
atation under section 501(a) of that Code, may place addi-
tional commemorative elements or engravings on the
raised platform or stone work of the existing Second Divi-
sion Memorial located in President’s Park, between 17th
Street Northwest and Constitution Avenue in the District
of Columbia, to further honor the members of the Second  
Infantry Division who have given their lives in service to  
the United States.

(b) Application of Commemorative Works  
Act.—Chapter 89 of title 40, United States Code (com-
monly known as the “Commemorative Works Act”), shall  
apply to the design and placement of the commemorative  
elements or engravings authorized under subsection (a).

(c) Funding.—Federal funds may not be used for  
modifications of the Second Division Memorial authorized  
under subsection (a).

TITLE IV—MILITARY  
PERSONNEL AUTHORIZATIONS

Subtitle A—Active Forces

Sec. 401. End strengths for active forces.
Sec. 402. Revisions in permanent active duty end strength minimum levels.

Subtitle B—Reserve Forces

Sec. 411. End strengths for Selected Reserve.
Sec. 412. End strengths for Reserves on active duty in support of the reserves.
Sec. 413. End strengths for military technicians (dual status).
Sec. 414. Fiscal year 2018 limitation on number of non-dual status technicians.
Sec. 415. Maximum number of reserve personnel authorized to be on active  
duty for operational support.
Sec. 416. Number of members of the National Guard on full-time duty in sup-
port of the reserves within the National Guard Bureau.

Subtitle C—Authorization of Appropriations

Sec. 421. Military personnel.

Subtitle A—Active Forces

SEC. 401. END STRENGTHS FOR ACTIVE FORCES.

The Armed Forces are authorized strengths for active  
duty personnel as of September 30, 2018, as follows:
(1) The Army, 483,500.
(2) The Navy, 327,900.
(3) The Marine Corps, 186,000.
(4) The Air Force, 325,100.

SEC. 402. REVISIONS IN PERMANENT ACTIVE DUTY END STRENGTH MINIMUM LEVELS.

Section 691(b) of title 10, United States Code, is amended by striking paragraphs (1) through (4) and inserting the following new paragraphs:

“(1) For the Army, 483,500.
“(2) For the Navy, 327,900.
“(3) For the Marine Corps, 186,000.
“(4) For the Air Force, 325,100.”.

Subtitle B—Reserve Forces

SEC. 411. END STRENGTHS FOR SELECTED RESERVE.

(a) IN GENERAL.—The Armed Forces are authorized strengths for Selected Reserve personnel of the reserve components as of September 30, 2018, as follows:

(1) The Army National Guard of the United States, 343,500.
(2) The Army Reserve, 199,500.
(3) The Navy Reserve, 59,000.
(4) The Marine Corps Reserve, 38,500.
(5) The Air National Guard of the United States, 106,600.
(6) The Air Force Reserve, 69,800.

(7) The Coast Guard Reserve, 7,000.

(b) End Strength Reductions.—The end strengths prescribed by subsection (a) for the Selected Reserve of any reserve component shall be proportionately reduced by—

(1) the total authorized strength of units organized to serve as units of the Selected Reserve of such component which are on active duty (other than for training) at the end of the fiscal year; and

(2) the total number of individual members not in units organized to serve as units of the Selected Reserve of such component who are on active duty (other than for training or for unsatisfactory participation in training) without their consent at the end of the fiscal year.

(c) End Strength Increases.—Whenever units or individual members of the Selected Reserve of any reserve component are released from active duty during any fiscal year, the end strength prescribed for such fiscal year for the Selected Reserve of such reserve component shall be increased proportionately by the total authorized strengths of such units and by the total number of such individual members.
SEC. 412. END STRENGTHS FOR RESERVES ON ACTIVE DUTY IN SUPPORT OF THE RESERVES.

Within the end strengths prescribed in section 411(a), the reserve components of the Armed Forces are authorized, as of September 30, 2018, the following number of Reserves to be serving on full-time active duty or full-time duty, in the case of members of the National Guard, for the purpose of organizing, administering, recruiting, instructing, or training the reserve components:

(1) The Army National Guard of the United States, 30,155.

(2) The Army Reserve, 16,261.


(4) The Marine Corps Reserve, 2,261.


SEC. 413. END STRENGTHS FOR MILITARY TECHNICIANS (DUAL STATUS).

The minimum number of military technicians (dual status) as of the last day of fiscal year 2018 for the reserve components of the Army and the Air Force (notwithstanding section 129 of title 10, United States Code) shall be the following:

(1) For the Army National Guard of the United States, 22,294.
(2) For the Army Reserve, 6,492.

(3) For the Air National Guard of the United States, 19,135.

(4) For the Air Force Reserve, 8,880.

SEC. 414. FISCAL YEAR 2018 LIMITATION ON NUMBER OF NON-DUAL STATUS TECHNICIANS.

(a) LIMITATIONS.—

(1) NATIONAL GUARD.—The number of non-dual status technicians employed by the National Guard as of September 30, 2018, may not exceed the following:

(A) For the Army National Guard of the United States, 0.

(B) For the Air National Guard of the United States, 0.

(2) ARMY RESERVE.—The number of non-dual status technicians employed by the Army Reserve as of September 30, 2018, may not exceed 0.

(3) AIR FORCE RESERVE.—The number of non-dual status technicians employed by the Air Force Reserve as of September 30, 2018, may not exceed 0.

(b) NON-DUAL STATUS TECHNICIANS DEFINED.—In this section, the term “non-dual status technician” has the
meaning given that term in section 10217(a) of title 10, United States Code.

SEC. 415. MAXIMUM NUMBER OF RESERVE PERSONNEL AUTHORIZED TO BE ON ACTIVE DUTY FOR OPERATIONAL SUPPORT.

During fiscal year 2018, the maximum number of members of the reserve components of the Armed Forces who may be serving at any time on full-time operational support duty under section 115(b) of title 10, United States Code, is the following:

(1) The Army National Guard of the United States, 17,000.

(2) The Army Reserve, 13,000.

(3) The Navy Reserve, 6,200.

(4) The Marine Corps Reserve, 3,000.

(5) The Air National Guard of the United States, 16,000.

(6) The Air Force Reserve, 14,000.

SEC. 416. NUMBER OF MEMBERS OF THE NATIONAL GUARD ON FULL-TIME DUTY IN SUPPORT OF THE RESERVES WITHIN THE NATIONAL GUARD BUREAU.

(a) ARMY NATIONAL GUARD OF THE UNITED STATES.—As of the end of fiscal year 2019, and as of the end of each fiscal year thereafter, the number of mem-
bers of the Army National Guard of the United States
serving with the National Guard Bureau on full-time duty
for the purpose of organizing, administering, recruiting,
instructing, or training the reserve components may not
exceed the number equal to six percent of the total number
of members of the Army National Guard of the United
States authorized for service on full-time duty for that
purpose in that fiscal year.

(b) Air National Guard of the United
States.—As of the end of fiscal year 2019, and as of
the end of each fiscal year thereafter, the number of mem-
bers of the Air National Guard of the United States serv-
ing with the National Guard Bureau on full-time duty for
the purpose of organizing, administering, recruiting, in-
structing, or training the reserve components may not ex-
ceed the number equal to six percent of the total number
of members of the Air National Guard of the United
States authorized for service on full-time duty for that
purpose in that fiscal year.

Subtitle C—Authorization of
Appropriations

SEC. 421. MILITARY PERSONNEL.

(a) Authorization of Appropriations.—Funds
are hereby authorized to be appropriated for fiscal year
2018 for the use of the Armed Forces and other activities
and agencies of the Department of Defense for expenses, 
not otherwise provided for, for military personnel, as spec-
ified in the funding table in section 4401.

(b) CONSTRUCTION OF AUTHORIZATION.—The au-
thorization of appropriations in subsection (a) supersedes
any other authorization of appropriations (definite or in-
definite) for such purpose for fiscal year 2018.

TITLE V—MILITARY PERSONNEL

POLICY

Subtitle A—Officer Personnel Policy

Sec. 501. Modification of deadline for submittal by officers of written commu-
nications to promotion selection boards on matters of impor-
tance to their selection.

Sec. 502. Clarification to exception for removal of officers from list of officers
recommended for promotion after 18 months without appoint-
ment.

Sec. 503. Modification of requirement for specification of number of officers
who may be recommended for early retirement by a Selective
Early Retirement Board.

Sec. 504. Extension of service-in-grade waiver authority for voluntary retire-
ment of certain general and flag officers for purposes of en-
hanced flexibility in officer personnel management.

Sec. 505. Inclusion of Principal Military Deputy to the Assistant Secretary of
the Army for Acquisition, Technology, and Logistics among of-
ficers subject to repeal of statutory specification of general offi-
cer grade.

Sec. 506. Clarification of effect of repeal of statutory specification of general
or flag officer grade for various positions in the Armed Forces.

Sec. 507. Standardization of authorities in connection with repeal of statutory
specification of general officer grade for the Dean of the Aca-
demic Board of the United States Military Academy and the
Dean of the Faculty of the United States Air Force Academy.

Sec. 508. Flexibility in promotion of officers to positions of Staff Judge Advoc-
ate to the Commandant of the Marine Corps and Deputy
Judge Advocate General of the Navy or Air Force.

Sec. 509. Grandfathering of retired grade of Assistant Judge Advocates Gen-
eral of the Navy as of repeal of statutory specification of gen-
eral and flag officers grades in the Armed Forces.

Subtitle B—Reserve Component Management

Sec. 511. Equal treatment of orders to serve on active duty under sections
12304a and 12304b of title 10, United States Code.
Sec. 512. Service credit for cyberspace experience or advanced education upon original appointment as a commissioned officer.

Sec. 513. Consolidation of authorities to order members of the reserve components of the Armed Forces to perform duty.

Sec. 514. Pilot program on use of retired senior enlisted members of the Army National Guard as Army National Guard recruiters.

Subtitle C—General Service Authorities

PART I—MATTERS RELATING TO DISCHARGE AND CORRECTION OF MILITARY RECORDS

Sec. 520. Consideration of additional medical evidence by Boards for the Correction of Military Records and liberal consideration of evidence relating to post-traumatic stress disorder or traumatic brain injury.

Sec. 521. Public availability of information related to disposition of claims regarding discharge or release of members of the Armed Forces when the claims involve sexual assault.

Sec. 522. Confidential review of characterization of terms of discharge of members who are victims of sex-related offenses.

Sec. 523. Training requirements for members of boards for the correction of military records and personnel who investigate claims of retaliation.

Sec. 524. Pilot program on use of video teleconferencing technology by boards for the correction of military records and discharge review boards.

PART II—OTHER GENERAL SERVICE AUTHORITIES

Sec. 526. Modification of basis for extension of period for enlistment in the Armed Forces under the Delayed Entry Program.

Sec. 527. Reauthorization of authority to order retired members to active duty in high-demand, low-density assignments.

Sec. 528. Notification of members of the Armed Forces undergoing certain administrative separations of potential eligibility for veterans benefits.

Sec. 529. Extension of authority of the Secretary of Veterans Affairs to provide for the conduct of medical disability examinations by contract physicians.

Sec. 530. Provision of information on naturalization through military service.

Subtitle D—Military Justice and Other Legal Issues


Sec. 532. Enhancement of effective prosecution and defense in courts-martial and related matters.

Sec. 533. Punitive article under the Uniform Code of Military Justice on wrongful broadcast or distribution of intimate visual images or visual images of sexually explicit conduct.

Sec. 534. Garnishment to satisfy judgment rendered for physically, sexually, or emotionally abusing a child.

Sec. 535. Sexual assault prevention and response training for all individuals enlisted in the Armed Forces under a delayed entry program.

Sec. 536. Special Victims’ Counsel training regarding the unique challenges often faced by male victims of sexual assault.
Sec. 537. Inclusion of information in annual SAPRO reports regarding military sexual harassment and incidents involving nonconsensual distribution of private sexual images.

Sec. 538. Inclusion of information in annual SAPRO reports regarding sexual assaults committed by a member of the Armed Forces against the member’s spouse or other family member.

Subtitle E—Member Education, Training, Resilience, and Transition

Sec. 541. Element in preseparation counseling for members of the Armed Forces on assistance and support services for caregivers of certain veterans through the Department of Veterans Affairs.

Sec. 542. Improved employment assistance for members of the Army, Navy, Air Force, and Marine Corps and veterans.

Sec. 543. Limitation on release of military service academy graduates to participate in professional athletics.

Sec. 544. Two-year extension of suicide prevention and resilience program for the National Guard and Reserves.

Sec. 545. Annual certifications related to Ready, Relevant Learning initiative of the Navy.

Sec. 546. Authority to expand eligibility for the United States Military Apprenticeship Program.

Sec. 547. Limitation on availability of funds for attendance of Air Force enlisted personnel at Air Force officer professional military education in-residence courses.

Sec. 548. Lieutenant Henry Ossian Flipper Leadership Scholarships.

Sec. 549. Pilot programs on appointment in the excepted service in the Department of Defense of physically disqualified former cadets and midshipmen.

Subtitle F—Defense Dependents’ Education and Military Family Readiness Matters

PART I—DEFENSE DEPENDENTS’ EDUCATION MATTERS

Sec. 551. Assistance to schools with military dependent students.

Sec. 552. Transitions of military dependent students from Department of Defense dependent schools to other schools and among schools of local educational agencies.

Sec. 553. Report on educational opportunities in science, technology, engineering, and mathematics for children who are dependents of members of the Armed Forces.

PART II—MILITARY FAMILY READINESS MATTERS

Sec. 555. Codification of authority to conduct family support programs for immediate family members of members of the Armed Forces assigned to special operations forces.

Sec. 556. Reimbursement for State licensure and certification costs of a spouse of a member of the Armed Forces arising from relocation to another State.

Sec. 557. Temporary extension of extended period of protections for members of uniformed services relating to mortgages, mortgage foreclosure, and eviction.

Sec. 558. Enhancing military childcare programs and activities of the Department of Defense.
Sec. 559. Direct hire authority for Department of Defense for childcare services providers for Department child development centers.

Sec. 560. Pilot program on public-private partnerships for telework facilities for military spouses on military installations outside the United States.

Subtitle G—Decorations and Awards

Sec. 561. Authorization for award of the Medal of Honor to Garlin M. Conner for acts of valor during World War II.


Subtitle H—Miscellaneous Reporting Requirements

Sec. 571. Analysis and report on accompanied and unaccompanied tours of duty in remote locations with high family support costs.

Sec. 572. Review and reports on policies for regular and reserve officer career management.

Sec. 573. Review and report on effects of personnel requirements and limitations on the availability of members of the National Guard for the performance of funeral honors duty for veterans.

Sec. 574. Review and report on authorities for the employment, use, and status of National Guard and Reserve technicians.

Sec. 575. Assessment and report on expanding and contracting for childcare services of the Department of Defense.

Sec. 576. Review and report on compensation provided childcare services providers of the Department of Defense.


Sec. 578. Modification of submittal date of Comptroller General of the United States report on integrity of the Department of Defense whistleblower program.

Subtitle I—Other Matters

Sec. 581. Expansion of United States Air Force Institute of Technology enrollment authority to include civilian employees of the homeland security industry.

Sec. 582. Conditional designation of Explosive Ordnance Disposal Corps as a basic branch of the Army.

Sec. 583. Designation of office within Office of the Secretary of Defense to oversee use of food assistance programs by members of the Armed Forces on active duty.
Subtitle A—Officer Personnel
Policy

SEC. 501. MODIFICATION OF DEADLINE FOR SUBMITTAL BY
OFFICERS OF WRITTEN COMMUNICATIONS
TO PROMOTION SELECTION BOARDS ON MAT-
TERS OF IMPORTANCE TO THEIR SELECTION.
(a) Officers on Active-duty List.—Section
614(b) of title 10, United States Code, is amended by
striking “the day” and inserting “10 calendar days”.
(b) Officers in Reserve Active-status.—Sec-
tion 14106 of title 10, United States Code, is amended
in the second sentence by striking “the day” and inserting
“10 calendar days”.
(c) Application of Amendments.—The amend-
ments made by this section shall apply with respect to pro-
motion selection boards convened on or after the date of
the enactment of this Act.

SEC. 502. CLARIFICATION TO EXCEPTION FOR REMOVAL OF
OFFICERS FROM LIST OF OFFICERS RECO-
MMENDED FOR PROMOTION AFTER 18
MONTHS WITHOUT APPOINTMENT.
Section 629(c)(3) of title 10, United States Code, is
amended by striking “the Senate is not able to obtain the
information necessary” and inserting “the military depart-
ment concerned is not able to obtain and provide to the Senate the information the Senate requires”.

SEC. 503. MODIFICATION OF REQUIREMENT FOR SPECIFICATION OF NUMBER OF OFFICERS WHO MAY BE RECOMMENDED FOR EARLY RETIREMENT BY A SELECTIVE EARLY RETIREMENT BOARD.

Section 638a of title 10, United States Code, is amended—

(1) in subsection (c), by striking paragraph (1) and inserting the following new paragraph:

“(1) In the case of an action under subsection (b)(2), the total number of officers described in that subsection that a selection board convened under section 611(b) of this title pursuant to the authority of that subsection may recommend for early retirement may not be more than 30 percent of the number of officers considered in each grade in each competitive category.”; and

(2) in subsection (d), by striking paragraph (2) and inserting the following new paragraph:

“(2) The total number of officers to be recommended for discharge by a selection board convened pursuant to subsection (b)(3) may not be more than 30 percent of the number of officers considered.”.
SEC. 504. EXTENSION OF SERVICE-IN-GRADE WAIVER AUTHORITY FOR VOLUNTARY RETIREMENT OF CERTAIN GENERAL AND FLAG OFFICERS FOR PURPOSES OF ENHANCED FLEXIBILITY IN OFFICER PERSONNEL MANAGEMENT.

Section 1370(a)(2)(G) of title 10, United States Code, is amended by striking “2017” and inserting “2025”.

SEC. 505. INCLUSION OF PRINCIPAL MILITARY DEPUTY TO THE ASSISTANT SECRETARY OF THE ARMY FOR ACQUISITION, TECHNOLOGY, AND LOGISTICS AMONG OFFICERS SUBJECT TO REPEAL OF STATUTORY SPECIFICATION OF GENERAL OFFICER GRADE.

Section 3016(b)(5)(B) of title 10, United States Code, is amended by striking “a lieutenant general” and inserting “an officer”.

SEC. 506. CLARIFICATION OF EFFECT OF REPEAL OF STATUTORY SPECIFICATION OF GENERAL OR FLAG OFFICER GRADE FOR VARIOUS POSITIONS IN THE ARMED FORCES.

(a) RETENTION OF GRADE OF INCUMBENTS IN POSITIONS ON EFFECTIVE DATE.—

(1) IN GENERAL.—Section 502 of the National Defense Authorization Act for Fiscal Year 2017
(Public Law 114–328; 130 Stat. 2102) is amended by adding at the end the following new subsection:

“(tt) RETENTION OF GRADE OF INCUMBENTS IN POSITIONS ON EFFECTIVE DATE.—The grade of service of an officer serving as of the date of the enactment of this Act in a position whose statutory grade is affected by an amendment made by this section may not be reduced after that date by reason of such amendment as long as the officer remains in continuous service in such position after that date.”.

(2) RETROACTIVE EFFECTIVE DATE.—The amendment made by paragraph (1) shall take effect as of December 23, 2016, and be treated as if included in the enactment of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).

(b) CLARIFYING AMENDMENT TO CHIEF OF VETERINARY CORPS OF THE ARMY REPEAL.—Section 3084 of title 10, United States Code, is amended by striking the last sentence.
SEC. 507. STANDARDIZATION OF AUTHORITIES IN CONNECTION WITH REPEAL OF STATUTORY SPECIFICATION OF GENERAL OFFICER GRADE FOR THE DEAN OF THE ACADEMIC BOARD OF THE UNITED STATES MILITARY ACADEMY AND THE DEAN OF THE FACULTY OF THE UNITED STATES AIR FORCE ACADEMY.

(a) DEAN OF ACADEMIC BOARD OF MILITARY ACADEMY.—Section 4335(c) of title 10, United States Code, is amended—

(1) by striking the first and third sentences;

and

(2) in the remaining sentence, by striking “so appointed” and inserting “appointed as Dean of the Academic Board”.

(b) DEAN OF FACULTY OF AIR FORCE ACADEMY.—Section 9335(b) of title 10, United States Code, is amended by striking “so appointed” and inserting “appointed as Dean of the Faculty”.
SEC. 508. FLEXIBILITY IN PROMOTION OF OFFICERS TO POSITIONS OF STAFF JUDGE ADVOCATE TO THE COMMANDANT OF THE MARINE CORPS AND DEPUTY JUDGE ADVOCATE GENERAL OF THE NAVY OR AIR FORCE.

(a) Staff Judge Advocate to Commandant of the Marine Corps.—Section 5046(b) of title 10, United States Code, is amended—

(1) by inserting “(1)” after “(b)”; and

(2) by adding at the end the following new paragraph:

“(2) If the Secretary of the Navy elects to convene a selection board under section 611(a) of this title to consider eligible officers for selection to appointment as Staff Judge Advocate, the Secretary may, in connection with such consideration for selection—

“(A) treat any section in chapter 36 of this title referring to promotion to the next higher grade as if such section referred to promotion to a higher grade; and

“(B) waive section 619(a)(2) of this title if the Secretary determines that the needs of the Marine Corps require the waiver.”.

(b) Deputy Judge Advocate General of the Navy.—Section 5149(a) of title 10, United States Code,
is amended by adding at the end the following new paragraph:

“(3) If the Secretary of the Navy elects to convene a selection board under section 611(a) of this title to consider eligible officers for selection to appointment as Deputy Judge Advocate General, the Secretary may, in connection with such consideration for selection—

“(A) treat any section in chapter 36 of this title referring to promotion to the next higher grade as if such section referred to promotion to a higher grade; and

“(B) waive section 619(a)(2) of this title if the Secretary determines that the needs of the Navy require the waiver.”.

(c) DEPUTY JUDGE ADVOCATE OF THE AIR FORCE.—Section 8037(e) of title 10, United States Code, is amended—

(1) by inserting “(1)” after “(e)”; and

(2) by adding at the end the following new paragraph:

“(2) If the Secretary of the Air Force elects to convene a selection board under section 611(a) of this title to consider eligible officers for selection to appointment as Deputy Judge Advocate General, the Secretary may, in connection with such consideration for selection—
“(A) treat any section in chapter 36 of this title referring to promotion to the next higher grade as if such section referred to promotion to a higher grade; and

“(B) waive section 619(a)(2) of this title if the Secretary determines that the needs of the Air Force require the waiver.”.

SEC. 509. GRANDFATHERING OF RETIRED GRADE OF ASSISTANT JUDGE ADVOCATES GENERAL OF THE NAVY AS OF REPEAL OF STATUTORY SPECIFICATION OF GENERAL AND FLAG OFFICERS GRADES IN THE ARMED FORCES.

(a) IN GENERAL.—Notwithstanding the amendments made by section 502(gg)(2) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2105), an officer selected to hold a position specified in subsection (b) as of December 23, 2016, may be retired after that date in the grade of rear admiral (lower half) or brigadier general, as applicable, with the retired pay of such grade (unless entitled to higher pay under another provision of law).

(b) SPECIFIED POSITIONS.—Subsection (a) applies with respect to the Assistant Judge Advocates General of the Navy provided for by subsections (b) and (c) of section 5149 of title 10, United States Code.
Subtitle B—Reserve Component Management

SEC. 511. EQUAL TREATMENT OF ORDERS TO SERVE ON ACTIVE DUTY UNDER SECTIONS 12304A AND 12304B OF TITLE 10, UNITED STATES CODE.

(a) Eligibility of Reserve Component Members for Pre-mobilization Health Care.—Section 1074(d)(2) of title 10, United States Code, is amended by striking “in support of a contingency operation under” and inserting “under section 12304b of this title or”.

(b) Eligibility of Reserve Component Members for Transitional Health Care.—Section 1145(a)(2)(B) of title 10, United States Code, is amended by striking “in support of a contingency operation” and inserting “under section 12304b of this title or a provision of law referred to in section 101(a)(13)(B) of this title”.

SEC. 512. SERVICE CREDIT FOR CYBERSPACE EXPERIENCE OR ADVANCED EDUCATION UPON ORIGINAL APPOINTMENT AS A COMMISSIONED OFFICER.

(a) Original Appointment as a Reserve Officer.—Section 12207 of title 10, United States Code, is amended—

(1) in subsection (a)(2), by inserting “or (e)” after “subsection (b)”;

212
(2) by redesignating subsections (e) and (f) as subsections (f) and (g), respectively;
(3) by inserting after subsection (d) the following new subsection (e):

“(e)(1) Under regulations prescribed by the Secretary of Defense, if the Secretary of a military department determines that the number of commissioned officers with cyberspace-related experience or advanced education in reserve active-status in an armed force under the jurisdiction of such Secretary is critically below the number needed, such Secretary may credit any person receiving an original appointment as a reserve commissioned officer with a period of constructive service for the following:

“(A) Special experience or training in a particular cyberspace-related field if such experience or training is directly related to the operational needs of the armed force concerned.

“(B) Any period of advanced education in a cyberspace-related field beyond the baccalaureate degree level if such advanced education is directly related to the operational needs of the armed force concerned.

“(2) Constructive service credited an officer under this subsection shall not exceed one year for each year of special experience, training, or advanced education, and
not more than three years total constructive service may
be credited.

“(3) Constructive service credited an officer under
this subsection is in addition to any service credited that
officer under subsection (a) and shall be credited at the
time of the original appointment of the officer.

“(4) The authority to award constructive service
credit under this subsection expires on December 31,
2023.”; and

(4) in subsection (f), as redesignated by para-
graph (2), by striking “or (d)” and inserting “, (d),
or (e)”.

(b) EXTENSION OF AUTHORITY IN CONNECTION
WITH ORIGINAL APPOINTMENT OF REGULAR OFFI-
CERS.—Section 533(g)(4) of title 10, United States Code,
is amended by striking “December 31, 2018” and insert-
ing “December 31, 2023”.

SEC. 513. CONSOLIDATION OF AUTHORITIES TO ORDER
MEMBERS OF THE RESERVE COMPONENTS
OF THE ARMED FORCES TO PERFORM DUTY.

Section 515 of the National Defense Authorization
Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.
810) is amended—

(1) in the second sentence of subsection (b), by
striking “such legislation as would be necessary to
amend titles 10, 14, 32, and 37 of the United States
Code and other provisions of law in order to imple-
ment the Secretary’s approach by October 1, 2018”
and inserting “legislation implementing the alternate
approach by April 30, 2019”; and
(2) by adding at the end the following new sub-
section:
“(c) Attributes of Alternate Approach.—The
Secretary of Defense shall ensure the alternate approach
described in subsection (b)—
“(1) reduces the number of statutory authori-
ties by which members of the reserve components of
the Armed Forces may be ordered to perform duty
to not more than 8 statutory authorities grouped
into 4 duty categories to which specific pay and ben-
efits may be aligned, which categories shall in-
clude—
“(A) one duty category that shall generally
reflect active service performed in support of
contingency type operations or other military
actions in support of the commander of a com-
batant command;
“(B) a second duty category that shall—
“(i) generally reflect active service not
described in subparagraph (A); and
“(ii) consist of training, administration, operational support, and full-time support of the reserve components;

“(C) a third duty category that shall—

“(i) generally reflect duty performed under direct military supervision while not in active service; and

“(ii) include duty characterized by partial-day service; and

“(D) a fourth duty category that shall—

“(i) generally reflect remote duty completed while not under direct military supervision; and

“(ii) include completion of correspondence courses and telework;

“(2) distinguishes among duty performed under titles 10, 14, and 32, United States Code, and ensures that the reasons the members of the reserve components are utilized under the statutory authorities which exist prior to the alternate approach are preserved and can be tracked as separate and distinct purposes;

“(3) minimizes, to the maximum extent practicable, disruptions in pay and benefits for members, and adheres to the principle that a member should
receive pay and benefits commensurate with the nature and performance of the member’s duties;

“(4) ensures the Secretary has the flexibility to meet emerging requirements and to effectively manage the force; and

“(5) aligns Department of Defense programming and budgeting to the types of duty members perform.”.

SEC. 514. PILOT PROGRAM ON USE OF RETIRED SENIOR ENLISTED MEMBERS OF THE ARMY NATIONAL GUARD AS ARMY NATIONAL GUARD RECRUITERS.

(a) Pilot Program Authorized.—The Secretary of the Army may carry out a pilot program for the Army National Guard under which retired senior enlisted members of the Army National Guard would serve as contract recruiters for the Army National Guard.

(b) Objectives of Pilot Program.—The Secretary of the Army shall design any pilot program conducted under this section to determine the following:

(1) The feasibility and effectiveness of hiring retired senior enlisted members of the Army National Guard who have retired within the previous two years to serve as recruiters.
(2) The merits of hiring such retired senior enlisted members as contractors or as employees of the Department of Defense.

(3) The best method of providing a competitive compensation package for such retired senior enlisted members.

(4) The merits of requiring such retired senior enlisted members to wear a military uniform while performing recruiting duties under the pilot program.

(e) Consultation.—In developing a pilot program under this section, the Secretary of the Army shall consult with the operators of a previous pilot program carried out by the Army involving the use of contract recruiters.

(d) Commencement and Duration.—The Secretary of the Army may commence a pilot program under this section on or after January 1, 2018, and all activities under such a pilot program shall terminate no later than December 31, 2020.

(e) Funding Source.—If a pilot program is conducted under this section, the Secretary of the Army shall use funds otherwise available for the National Guard Bureau to carry out the program.

(f) Reporting Requirement.—If a pilot program is conducted under this section, the Secretary of the Army
shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report containing an evaluation of the success of the pilot program, including the determinations described in subsection (b). The report shall be submitted not later than January 1, 2019.

Subtitle C—General Service Authorities

PART I—MATTERS RELATING TO DISCHARGE AND CORRECTION OF MILITARY RECORDS

SEC. 520. CONSIDERATION OF ADDITIONAL MEDICAL EVIDENCE BY BOARDS FOR THE CORRECTION OF MILITARY RECORDS AND LIBERAL CONSIDERATION OF EVIDENCE RELATING TO POST-TRAUMATIC STRESS DISORDER OR TRAUMATIC BRAIN INJURY.

(a) In General.—Section 1552 of title 10, United States Code, is amended—

(1) by redesignating subsections (h) and (i) as subsections (i) and (j), respectively; and

(2) by inserting after subsection (g) the following new subsection (h):

“(h)(1) This subsection applies to a former member of the armed forces whose claim under this section for review of a discharge or dismissal is based in whole or in
part on matters relating to post-traumatic stress disorder or traumatic brain injury as supporting rationale, or as justification for priority consideration, and whose post-traumatic stress disorder or traumatic brain injury is related to combat or military sexual trauma, as determined by the Secretary concerned.

“(2) In the case of a claimant described in paragraph (1), a board established under subsection (a)(1) shall—

“(A) review medical evidence of the Secretary of Veterans Affairs or a civilian health care provider that is presented by the claimant; and

“(B) review the claim with liberal consideration to the claimant that post-traumatic stress disorder or traumatic brain injury potentially contributed to the circumstances resulting in the discharge or dismissal or to the original characterization of the claimant’s discharge or dismissal.”.

(b) CONFORMING AMENDMENT.—Section 1553(d)(3)(A)(ii) of title 10, United States Code, is amended by striking “discharge of a lesser characterization” and inserting “discharge or dismissal or to the original characterization of the member’s discharge or dismissal”.
SEC. 521. PUBLIC AVAILABILITY OF INFORMATION RELATED TO DISPOSITION OF CLAIMS REGARDING DISCHARGE OR RELEASE OF MEMBERS OF THE ARMED FORCES WHEN THE CLAIMS INVOLVE SEXUAL ASSAULT.

(a) BOARDS FOR THE CORRECTION OF MILITARY RECORDS.—Subsection (i) of section 1552 of title 10, United States Code, as redesignated by section 520(a)(1), is amended by adding at the end the following new paragraph:

“(4) The number and disposition of claims decided during the calendar quarter preceding the calendar quarter in which such information is made available in which sexual assault is alleged to have contributed, whether in whole or in part, to the original characterization of the discharge or release of the former member.”.

(b) DISCHARGE REVIEW BOARDS.—Section 1553(f) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(4) The number and disposition of claims decided during the calendar quarter preceding the calendar quarter in which such information is made available in which sexual assault is alleged to have contributed, whether in whole or in part, to the
original characterization of the discharge or release
of the former member.’’.
(c) Conforming Amendments.—
(1) Boards for the correction of military records.—Subsection (i) of section 1552 of
title 10, United States Code, as redesignated by sec-
tion 520(a)(1) and amended by subsection (a), is
further amended—
(A) in paragraph (1), by striking ‘‘claim-
ant’’ both places it appears and inserting
‘‘former member’’;
(B) in paragraph (2), by striking ‘‘claim-
ant’’ and inserting ‘‘former member’’; and
(C) in paragraph (3), by striking ‘‘claim-
ants’’ and inserting ‘‘former members’’.
(2) Discharge review boards.—Section
1553(f)(2) of title 10, United States Code, is
amended by striking ‘‘claimant’’ and inserting
‘‘former member’’.

SEC. 522. CONFIDENTIAL REVIEW OF CHARACTERIZATION
OF TERMS OF DISCHARGE OF MEMBERS WHO
ARE VICTIMS OF SEX-RELATED OFFENSES.
(a) Codification of current confidential
process.—
(1) CODIFICATION.—Chapter 79 of title 10, United States Code, is amended by inserting after section 1554a a new section 1554b consisting of—

(A) a heading as follows:

“§ 1554b. Confidential review of characterization of terms of discharge of members of the armed forces who are victims of sex-related offenses”; and


(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 79 of such title is amended by inserting after the item relating to section 1554a the following new item:

“1554b. Confidential review of characterization of terms of discharge of members of the armed forces who are victims of sex-related offenses.”.


(b) CLARIFICATION OF APPLICABILITY TO INDIVIDUALS WHO ALLEGE SEX-RELATED OFFENSES DURING MILITARY SERVICE.—Subsection (a) of section 1554b of title 10, United States Code, as added by subsection (a)
of this section, is amended by striking “sex-related offense” and inserting the following: “sex-related offense, or alleges that the individual was the victim of a sex-related offense,”.

(c) CONFORMING AMENDMENTS.—Section 1554b of title 10, United States Code, as added by subsection (a), is further amended—

(1) by striking “Armed Forces” each place it appears in subsections (a) and (b) and inserting “armed forces”;

(2) in subsection (a)—

(A) by striking “boards for the correction of military records of the military department concerned” and inserting “boards of the military department concerned established in accordance with this chapter”; and

(B) by striking “such an offense” and inserting “a sex-related offense”;

(3) in subsection (b), striking “boards for the correction of military records” in the matter preceding paragraph (1) and inserting “boards of the military department concerned established in accordance with this chapter”; and

(4) in subsection (d)—
(B) in paragraph (1), by striking “title 10, United States Code” and inserting “this title”; and

(C) in paragraphs (2) and (3), by striking “such title” and inserting “this title”.

SEC. 523. TRAINING REQUIREMENTS FOR MEMBERS OF

BOARDS FOR THE CORRECTION OF MILITARY

RECORDS AND PERSONNEL WHO INVEST-

IGATE CLAIMS OF RETALIATION.

(a) MEMBERS OF BOARDS FOR THE CORRECTION OF
MILITARY RECORDS.—Section 534(c)(1) of the National
Defense Authorization Act for Fiscal Year 2017 (Public
Law 114–328; 10 U.S.C. 1552 note) is amended by add-
ing at the end the following new sentence: “This cur-
riculum shall also address the proper handling of claims
in which a sex-related offense is alleged to have contrib-
uted to the original characterization of the discharge or
release of the claimant, including guidelines for the consid-
eration of evidence substantiating such allegations in ac-
cordance with the requirements of section 1554b(b) of title
10, United States Code, as added by section 522 of the
National Defense Authorization Act for Fiscal Year
2018.”.

(b) DEPARTMENT OF DEFENSE PERSONNEL WHO
INVESTIGATE CLAIMS OF RETALIATION.—Section 546(a)
of the National Defense Authorization Act for Fiscal Year
2017 (Public Law 114–328) is amended by striking “sec-
tion.” and inserting “section, including guidelines for the
consideration of evidence substantiating such allegations
in accordance with the requirements of section 1554b(b)
of title 10, United States Code, as added by section 522
of the National Defense Authorization Act for Fiscal Year 2018.”.

SEC. 524. PILOT PROGRAM ON USE OF VIDEO TELECONFERENCING TECHNOLOGY BY BOARDS FOR THE CORRECTION OF MILITARY RECORDS AND DISCHARGE REVIEW BOARDS.

(a) Pilot Program Authorized.—The Secretary of Defense may carry out a pilot program under which boards for the correction of military records established under section 1552 of title 10, United States Code, and discharge review boards established under section 1553 of such title are authorized to utilize, in the performance of their duties, video teleconferencing technology, to the extent such technology is reasonably available and technically feasible.

(b) Purpose.—The purpose of the pilot program is to evaluate the feasibility and cost-effectiveness of utilizing video teleconferencing technology to allow persons who raise a claim before a board for the correction of military records, persons who request a review by a discharge review board, and witnesses who present evidence to such a board to appear before such a board without being physically present.

(c) Implementation.—As part of the pilot program, the Secretary of Defense shall make funds available to de-
velop the capabilities of boards for the correction of military records and discharge review boards to effectively use video teleconferencing technology.

(d) No Expansion of Eligibility.—Nothing in the pilot program is intended to alter the eligibility criteria of persons who may raise a claim before a board for the correction of military records, request a review by a discharge review board, or present evidence to such a board.

(e) Termination.—The authority of the Secretary of Defense to carry out the pilot program shall terminate on December 31, 2020.

PART II—OTHER GENERAL SERVICE AUTHORITIES

SEC. 526. Modification of Basis for Extension of Period for Enlistment in the Armed Forces Under the Delayed Entry Program.

Section 513(b) of title 10, United States Code, is amended—

(1) by redesignating paragraph (2) as paragraph (4) and, in such paragraph, by striking “paragraph (1)” and inserting “this subsection”;

(2) by designating the second sentence of paragraph (1) as paragraph (2) and indenting the left margin of such paragraph (2) two ems to the right;
(3) in paragraph (2), as so designated, by inserting “described in paragraph (1)” after “the 365-day period”; and

(4) by inserting after paragraph (2), as so designated, the following new paragraph (3):

“(3)(A) The Secretary concerned may extend by up to an additional 365 days the period of extension under paragraph (2) for a person who enlisted before October 1, 2017, under section 504(b)(2) of this title if the Secretary determines that the period of extension under this paragraph is required for the performance of adequate background and security reviews of that person.

“(B) A person whose period of extension under paragraph (2) is extended under this paragraph shall undergo all security and suitability screening requirements and receive a favorable military security suitability determination before entering into service in a regular or reserve component. Screening priority shall be given to those persons who were enlisted for a military occupational specialty that requires specialized language or medical skills that are vital to the national interest.

“(C) The authority to make an extension under this paragraph shall expire one year after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2018. The expiration of such authority shall
not effect the validity of any extension made in accordance
with this paragraph on or before that date.”

SEC. 527. REAUTHORIZATION OF AUTHORITY TO ORDER
RETIRED MEMBERS TO ACTIVE DUTY IN
HIGH-DEMAND, LOW-DENSITY ASSIGNMENTS.

Section 688a(f) of title 10, United States Code, is
amended by striking “after December 31, 2011.” and in-
serting “outside a period as follows:

“(1) The period beginning on December 2,
2002, and ending on December 31, 2011.

“(2) The period beginning on the date of the
enactment of the National Defense Authorization
Act for Fiscal Year 2018 and ending on December
31, 2022.”.

SEC. 528. NOTIFICATION OF MEMBERS OF THE ARMED
FORCES UNDERGOING CERTAIN ADMINIS-
TRATIVE SEPARATIONS OF POTENTIAL ELIGI-
BILITY FOR VETERANS BENEFITS.

(a) NOTIFICATION REQUIRED.—A member of the
Armed Forces who receives an administrative separation
or mandatory discharge under conditions other than hon-
or able shall be provided written notification that the mem-
ber may petition the Veterans Benefits Administration of
the Department of Veterans Affairs to receive, despite the
characterization of the member’s service, certain benefits
under the laws administered by the Secretary of Veterans Affairs.

(b) **Deadline for Notification.**—Notification under subsection (a) shall be provided to a member described in such subsection in conjunction with the member’s notification of the administrative separation or mandatory discharge or as soon thereafter as practicable.

**SEC. 529. EXTENSION OF AUTHORITY OF THE SECRETARY OF VETERANS AFFAIRS TO PROVIDE FOR THE CONDUCT OF MEDICAL DISABILITY EXAMINATIONS BY CONTRACT PHYSICIANS.**


**SEC. 530. PROVISION OF INFORMATION ON NATURALIZATION THROUGH MILITARY SERVICE.**

The Secretary of Defense shall ensure that members of the Army, Navy, Air Force, and Marine Corps who are aliens lawfully admitted to the United States for permanent residence are informed of the availability of naturalization through service in the Armed Forces under section 328 of the Immigration and Nationality Act (8 U.S.C. 1439) and the process by which to pursue naturalization. The Secretary shall ensure that resources are available to
assist qualified members of the Armed Forces to navigate
the application and naturalization process.

Subtitle D—Military Justice and
Other Legal Issues

SEC. 531. CLARIFYING AMENDMENTS RELATED TO THE
UNIFORM CODE OF MILITARY JUSTICE RE-
FORM BY THE MILITARY JUSTICE ACT OF
2016.

(a) ENFORCEMENT OF RIGHTS OF VICTIMS OF OF-
FENSES UNDER UCMJ.—Section 806b(e)(3) of title 10,
United States Code (article 6b(e)(3) of the Uniform Code
of Military Justice), is amended—

(1) by inserting “(A)” after “(3)”;

(2) by striking “President, and, to the extent
practicable, shall have priority over all other pro-
ceedings before the court.” and inserting the fol-
lowing; “President, subject to section 830a of this
title (article 30a).”; and

(3) by adding at the end the following new sub-
paragraphs:

“(B) To the extent practicable, a petition for a writ
of mandamus described in this subsection shall have pri-
ority over all other proceedings before the Court of Crimi-
nal Appeals.
“(C) Review of any decision of the Court of Criminal Appeals on a petition for a writ of mandamus described in this subsection shall have priority in the Court of Appeals for the Armed Forces, as determined under the rules of the Court of Appeals for the Armed Forces.”.

(b) REVIEW OF CERTAIN MATTERS BEFORE REFERRAL OF CHARGES AND SPECIFICATIONS.—Subsection (a)(1) of section 830a of title 10, United States Code (article 30a of the Uniform Code of Military Justice), as added by section 5202 of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2904), is amended—

(1) in the matter preceding subparagraph (A), by inserting “, or otherwise act on,” after “to review”; and

(2) by adding at the end the following new subparagraph:

“(D) Pre-referral matters under subsection (c) or (e) of section 806b of this title (article 6b).”.

c) DEFENSE COUNSEL ASSISTANCE IN POST-TRIAL MATTERS FOR ACCUSED CONVICTED BY COURT-MARTIAL.—Section 838(c)(2) of title 10, United States Code (article 38(c)(2) of the Uniform Code of Military Justice), is amended by striking “section 860 of this title (article
and inserting “section 860, 860a, or 860b of this title (article 60, 60a, or 60b)”.

(d) LIMITATION ON ACCEPTANCE OF PLEA AGREEMENTS.—Section 853a of title 10, United States Code (article 53a of the Uniform Code of Military Justice), as added by section 5237 of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2917), is amended—

(1) in subsection (b)—

(A) in paragraph (2), by striking “or” after the semicolon;

(B) in paragraph (3), by striking the period and inserting a semicolon; and

(C) by adding at the end the following new paragraphs:

“(4) is prohibited by law; or

“(5) is contrary to, or is inconsistent with, a regulation prescribed by the President with respect to terms, conditions, or other aspects of plea agreements.”; and

(2) in subsection (d), by striking “shall bind the parties and the military judge” and inserting “shall bind the parties and the court-martial”.

(e) APPLICABILITY OF STANDARDS AND PROCEDURES TO SENTENCE APPEAL BY THE UNITED
STATES.—Subsection (d)(1) of section 856 of title 10, United States Code (article 56 of the Uniform Code of Military Justice), as added by section 5301 of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2919), is amended—

(1) in the matter preceding subparagraph (A), by inserting after “concerned,” the following: “and consistent with standards and procedures set forth in regulations prescribed by the President,”; and

(2) in subparagraph (B), by inserting before the period at the end the following: “, as determined in accordance with standards and procedures prescribed by the President”.

(f) SENTENCE OF REDUCTION IN ENLISTED GRADE.—

(1) IN GENERAL.—Subsection (a) of section 858a of title 10, United States Code (article 58a of the Uniform Code of Military Justice), as amended by section 5303(1) of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2923), is further amended in the matter after paragraph (3) by striking “, effective on the date” and inserting the following: “, if such a reduction is authorized by regulation prescribed by the President.
The reduction in pay grade shall take effect on the date”.

(2) SECTION HEADING.—The heading of section 858a of title 10, United States Code (article 58a of the Uniform Code of Military Justice), is amended to read as follows:

“§ 858a. Art. 58a. Sentences: reduction in enlisted grade”.

(3) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter VIII of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), is amended by striking the item relating to section 858a (article 58a) and inserting the following new item:

“858a. 58a. Sentences: reduction in enlisted grade.”.

(g) CONVENING AUTHORITY AUTHORITIES.—Section 858b(b) of title 10, United States Code (article 58b(b) of the Uniform Code of Military Justice), is amended in the first sentence by striking “section 860 of this title (article 60)” and inserting “section 860a or 860b of this title (article 60a or 60b)”.

(h) APPEAL BY THE UNITED STATES.—Section 862(b) of title 10, United States Code (article 62(b) of the Uniform Code of Military Justice), is amended by striking “, notwithstanding section 866(c) of this title (article 66(c))”.
(i) **REHEARING AND SENTENCING.**—Subsection (b) of section 863 of title 10, United States Code (article 63 of the Uniform Code of Military Justice), as added by section 5327 of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2929), is amended by inserting before the period at the end the following: “, subject to such limitations as the President may prescribe by regulation”.

(j) **COURTS OF CRIMINAL APPEALS.**—Section 866 of title 10, United States Code (article 66 of the Uniform Code of Military Justice), as amended by section 5330 of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2932), is further amended—

(1) in subsection (e)(2)(C), by inserting after “required” the following: “by regulation prescribed by the President or”; and

(2) in subsection (f)(3)—

(A) by inserting “of Criminal Appeals” after “Court” the first time it appears; and

(B) by adding at the end the following new sentence: “If the Court of Appeals for the Armed Forces determines that additional proceedings are warranted, the Court of Criminal Appeals shall order a hearing or other pro-
ceeding in accordance with the direction of the Court of Appeals for the Armed Forces.”.

(k) MILITARY JUSTICE REVIEW PANEL.—Subsection (f) of section 946 of title 10, United States Code (article 146 of the Uniform Code of Military Justice), as added by section 5521 of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2962), is amended—

(1) in paragraph (1), by striking “fiscal year 2020” in the first sentence and inserting “fiscal year 2021”;

(2) in paragraph (2), by striking the sentence beginning “Not later than” and inserting the following new sentence: “The analysis under this paragraph shall be included in the assessment required by paragraph (1).”; and

(3) by striking paragraph (5) and inserting the following new paragraph (5):

“(5) REPORTS.—With respect to each review and assessment under this subsection, the Panel shall submit a report to the Committees on Armed Services of the Senate and the House of Representatives. Each report—

“(A) shall set forth the results of the review and assessment concerned, including the
findings and recommendations of the Panel;
and

“(B) shall be submitted not later than December 31 of the calendar year in which the review and assessment is concluded.”.

(l) TRANSITIONAL COMPENSATION FOR DEPENDENTS OF MEMBERS SEPARATED FOR DEPENDENT ABUSE.—Section 1059(e) of title 10, United States Code, is amended—

(1) in paragraph (1)(A)(ii), by striking “the approval of” and all that follows through “as approved,” and inserting “entry of judgment under section 860c of this title (article 60c of the Uniform Code of Military Justice) if the sentence”; and

(2) in paragraph (3)(A), by striking “by a court-martial” the second place it appears and all that follows through “include any such punishment,” and inserting “for a dependent-abuse offense and the conviction is disapproved or is otherwise not part of the judgment under section 860c of this title (article 60c of the Uniform Code of Military Justice) or the punishment is disapproved or is otherwise not part of the judgment under such section (article),”.

(m) BENEFITS FOR DEPENDENTS WHO ARE VICTIMS OF ABUSE BY MEMBERS LOSING RIGHT TO RE-
TIRED PAY.—Section 1408(h)(10)(A) of title 10, United States Code, is amended by striking “the approval” and all that follows through the end of the subparagraph and inserting “entry of judgment under section 860c of this title (article 60c of the Uniform Code of Military Justice).”.

(n) TREATMENT OF CERTAIN OFFENSES PENDING EXECUTION OF MILITARY JUSTICE ACT OF 2016 AMENDMENTS.—

(1) APPLICABILITY TO CERTAIN CASES.—Section 5542(c)(1) of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2967) is amended by inserting after “shall apply to a case in which” the following: “a specification alleges the commission, before the effective date of such amendments, of one or more offenses or to a case in which”.

(2) CHILD ABUSE OFFENSES.—With respect to offenses committed before the date designated by the President under section 5542(a) of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2967), subsection (b)(2)(B) of section 843 of title 10, United States Code (article 43 of the Uniform Code of Military Justice), shall be applied as in effect on December 22, 2016.
(3) Fraudulent enlistment or appointment offenses.—With respect to the period beginning on December 23, 2016, and ending on the day before the date designated by the President under section 5542(a) of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2967), in the application of subsection (h) of section 843 of title 10, United States Code (article 43 of the Uniform Code of Military Justice), as added by section 5225(b) of that Act (130 Stat. 2909), the reference in such subsection (h) to section 904a(1) of title 10, United States Code (article 104a(1) of the Uniform Code of Military Justice), shall be deemed to be a reference to section 883(1) of title 10, United States Code (article 83(1) of the Uniform Code of Military Justice).

(o) Sentencing in certain transitional cases.—

(1) In general.—In any transition-period court-martial, the relevant sentencing sections of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), shall be applied as follows:

(A) Except as provided in subparagraph (B), the relevant sentencing sections shall be
applied as if the amendments to such sections made by the Military Justice Act of 2016 (division E of Public Law 114–328) and this section had not been enacted.

(B) If the accused so requests, the relevant sentencing sections shall be applied as amended by the Military Justice Act of 2016 (division E of Public Law 114–328) and this section.

(2) DEFINITIONS.—In this subsection:

(A) TRANSITION-PERIOD COURT-MARTIAL.—The term “transition-period court-martial” means a court-martial under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), that consists of both of the following:

(i) A prosecution of one or more offenses committed before the date designated by the President under section 5542(a) of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2967).

(ii) A prosecution of one or more offenses committed on or after that date.

(B) RELEVANT SENTENCING SECTIONS.—The term “relevant sentencing sections” means
section 856 of title 10, United States Code (article 56 of the Uniform Code of Military Justice), and any other sections (articles) of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), that, by regulation prescribed by the President, are designated as relevant to sentencing for the purposes of paragraph (1).

(p) **Effective Date.**—The amendments made by this section shall take effect immediately after the amendments made by the Military Justice Act of 2016 (division E of Public Law 114–328) take effect as provided for in section 5542 of that Act (130 Stat. 2967).

SEC. 532. ENHANCEMENT OF EFFECTIVE PROSECUTION AND DEFENSE IN COURTS-MARTIAL AND RELATED MATTERS.

(a) **Additional Element in Program for Effective Prosecution and Defense.**—Section 542(a)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 827 note) is amended by inserting before the semicolon the following: “or there is adequate supervision and oversight of trial counsel and defense counsel so detailed to ensure effective prosecution and defense in the court-martial”.

(680035|3)
(b) Use of Civilian Employees to Advise Less Experienced Judge Advocates in Prosecution and Defense.—Section 542 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 827 note) is further amended—

(1) by redesignating subsections (c) and (d) as subsections (d) and (e), respectively; and

(2) by inserting after subsection (b) the following new subsection (c):

```
(c) Use of Civilian Employees to Advise Less Experienced Judge Advocates in Prosecution and Defense.—The Secretary concerned may use highly qualified experts and other civilian employees who are under the jurisdiction of the Secretary concerned, are available, and are experienced in the prosecution or defense of complex criminal cases to provide assistance to, and consult with, less experienced judge advocates throughout the court-martial process.”.
```

(c) Pilot Programs on Professional Developmental Process for Judge Advocates.—Subsection (d) of section 542 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 827 note), as redesignated by subsection (b)(1) of this section, is amended—
(1) in paragraph (1), by striking “establishing” and all that follows and inserting “a military justice career track for judge advocates under the jurisdiction of the Secretary.”;

(2) by redesignating paragraph (4) as paragraph (5); and

(3) by inserting after paragraph (3) the following new paragraph (4):

“(4) ELEMENTS.—Each pilot program shall include the following:

“(A) A military justice career track for judge advocates that leads to judge advocates with military justice expertise in the grade of colonel, or in the grade of captain in the case of judge advocates of the Navy.

“(B) The use of skill identifiers to identify judge advocates for participation in the pilot program from among judge advocates having appropriate skill and experience in military justice matters.

“(C) Guidance for promotion boards considering the selection for promotion of officers participating in the pilot program in order to ensure that judge advocates who are participating in the pilot program have the same op-
portunity for promotion as all other judge advocate officers being considered for promotion by such boards.

“(D) Such other matters as the Secretary concerned considers appropriate.”.

SEC. 533. PUNITIVE ARTICLE UNDER THE UNIFORM CODE OF MILITARY JUSTICE ON WRONGFUL BROADCAST OR DISTRIBUTION OF INTIMATE VISUAL IMAGES OR VISUAL IMAGES OF SEXUALLY EXPLICIT CONDUCT.

(a) PROHIBITION.—Subchapter X of chapter 47 of title 10, United States Code, is amended by inserting after section 917 (article 117 of the Uniform Code of Military Justice) the following new section (article):

“§ 917a. Art. 117a. Wrongful broadcast or distribution of intimate visual images

“(a) PROHIBITION.—Any person subject to this chapter—

“(1) who knowingly and wrongfully broadcasts or distributes an intimate visual image of another person or a visual image of sexually explicit conduct involving a person who—

“(A) is at least 18 years of age at the time the intimate visual image or visual image of sexually explicit conduct was created;
“(B) is identifiable from the intimate visual image or visual image of sexually explicit conduct itself, or from information displayed in connection with the intimate visual image or visual image of sexually explicit conduct; and

“(C) does not explicitly consent to the broadcast or distribution of the intimate visual image or visual image of sexually explicit conduct;

“(2) who knows or reasonably should have known that the intimate visual image or visual image of sexually explicit conduct was made under circumstances in which the person depicted in the intimate visual image or visual image of sexually explicit conduct retained a reasonable expectation of privacy regarding any broadcast or distribution of the intimate visual image or visual image of sexually explicit conduct;

“(3) who knows or reasonably should have known that the broadcast or distribution of the intimate visual image or visual image of sexually explicit conduct is likely—

“(A) to cause harm, harassment, intimidation, emotional distress, or financial loss for the
person depicted in the intimate visual image or visual image of sexually explicit conduct; or

“(B) to harm substantially the depicted person with respect to that person’s health, safety, business, calling, career, financial condition, reputation, or personal relationships; and

“(4) whose conduct, under the circumstances, had a reasonably direct and palpable connection to a military mission or military environment,

is guilty of wrongful distribution of intimate visual images or visual images of sexually explicit conduct and shall be punished as a court-martial may direct.

“(b) DEFINITIONS.—In this section:

“(1) BROADCAST.—The term ‘broadcast’ means to electronically transmit a visual image with the intent that it be viewed by a person or persons.

“(2) DISTRICT.—The term ‘distribute’ means to deliver to the actual or constructive possession of another person, including transmission by mail or electronic means.

“(3) INTIMATE VISUAL IMAGE.—The term ‘intimate visual image’ means a visual image that depicts a private area of a person.
“(4) **PRIVATE AREA.**—The term ‘private area’ means the naked or underwear-clad genitalia, anus, buttocks, or female areola or nipple.

“(5) **REASONABLE EXPECTATION OF PRIVACY.**—The term ‘reasonable expectation of privacy’ means circumstances in which a reasonable person would believe that a private area of the person, or sexually explicit conduct involving the person, would not be visible to the public.

“(6) **SEXUALLY EXPLICIT CONDUCT.**—The term ‘sexually explicit conduct’ means actual or simulated genital-genital contact, oral-genital contact, anal-genital contact, or oral-anal contact, whether between persons of the same or opposite sex, bestiality, masturbation, or sadistic or masochistic abuse.

“(7) **VISUAL IMAGE.**—The term ‘visual image’ means the following:

“(A) Any developed or undeveloped photograph, picture, film, or video.

“(B) Any digital or computer image, picture, film, or video made by any means, including those transmitted by any means, including streaming media, even if not stored in a permanent format.
“(C) Any digital or electronic data capable of conversion into a visual image.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter X of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), is amended by inserting after the item relating to section 917 (article 117) the following new item:

“917a. 117a. Wrongful broadcast or distribution of intimate visual images.”.

SEC. 534. GARNISHMENT TO SATISFY JUDGMENT RENDERED FOR PHYSICALLY, SEXUALLY, OR EMOTIONALLY ABUSING A CHILD.

(a) GARNISHMENT AUTHORITY.—Section 1408 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(l) GARNISHMENT TO SATISFY A JUDGMENT RENDERED FOR PHYSICALLY, SEXUALLY, OR EMOTIONALLY ABUSING A CHILD.—(1) Subject to paragraph (2), any payment of retired pay that would otherwise be made to a member shall be paid (in whole or in part) by the Secretary concerned to another person if and to the extent expressly provided for in the terms of a child abuse garnishment order.

“(2) A court order providing for the payment of child support or alimony or, with respect to a division of property, specifically providing for the payment of an amount of the disposable retired pay from a member to the spouse
or a former spouse of the member, shall be given priority
over a child abuse garnishment order. The total amount
of the disposable retired pay of a member payable under
a child abuse garnishment order shall not exceed 25 per-
cent of the member’s disposable retired pay.

“(3) In this subsection, the term ‘court order’ in-
cludes a child abuse garnishment order.

“(4) In this subsection, the term ‘child abuse garnish-
ment order’ means a final decree issued by a court that—

“(A) is issued in accordance with the laws of
the jurisdiction of that court; and

“(B) provides in the nature of garnishment for
the enforcement of a judgment rendered against the
member for physically, sexually, or emotionally abus-
ing a child.

“(5) For purposes of this subsection, a judgment ren-
dered for physically, sexually, or emotionally abusing a
child is any legal claim perfected through a final enforce-
able judgment, which claim is based in whole or in part
upon the physical, sexual, or emotional abuse of an indi-
vidual under 18 years of age, whether or not that abuse
is accompanied by other actionable wrongdoing, such as
sexual exploitation or gross negligence.

“(6) If the Secretary concerned is served with more
than one court order with respect to the retired pay of
a member, the disposable retired pay of the member shall be available to satisfy such court orders on a first-come, first-served basis, subject to the order of precedence specified in paragraph (2), with any such process being satisfied out of such monies as remain after the satisfaction of all such processes which have been previously served.

“(7) The Secretary concerned shall not be required to vary normal pay and disbursement cycles for retired pay in order to comply with a child abuse garnishment order.”.

(b) Application of Amendment.—Subsection (l) of section 1408 of title 10, United States Code, as added by subsection (a), shall apply with respect to a court order received by the Secretary concerned on or after the date of the enactment of this Act, regardless of the date of the court order.

SEC. 535. SEXUAL ASSAULT PREVENTION AND RESPONSE TRAINING FOR ALL INDIVIDUALS ENLISTED IN THE ARMED FORCES UNDER A DELAYED ENTRY PROGRAM.

(a) Training Required.—Commencing not later than 180 days after the date of the enactment of this Act, each Secretary concerned shall, insofar as practicable, provide training on sexual assault prevention and response to each individual under the jurisdiction of such Secretary
who is enlisted in the Armed Forces under a delayed entry
program such that each such individual completes such
training before the date of commencement of basic train-
ing or initial active duty for training in the Armed Forces.

(b) TRAINING ELEMENTS.—The training provided
pursuant to subsection (a)—

(1) shall, to the extent practicable, be uniform
across the Armed Forces;

(2) should be provided through in-person in-
struction, whenever possible;

(3) should include instruction on the proper use
of social media; and

(4) shall meet such other requirements as the
Secretary of Defense may establish.

(c) DEFINITIONS.—In this section:

(1) The term “delayed entry program” means
the following:

(A) The Future Soldiers Program of the
Army.

(B) The Delayed Entry Program of the
Navy and the Marine Corps.

(C) The program of the Air Force for the
delayed entry of enlistees into the Air Force.
(D) The program of the Coast Guard for the delayed entry of enlistees into the Coast Guard.

(E) Any successor program to a program referred to in subparagraphs (A) through (D).

(2) The term “Secretary concerned” has the meaning given that term in section 101(a)(9) of title 10, United States Code.

SEC. 536. SPECIAL VICTIMS’ COUNSEL TRAINING REGARDING THE UNIQUE CHALLENGES OFTEN FACED BY MALE VICTIMS OF SEXUAL ASSAULT.

The baseline Special Victims’ Counsel training established under section 1044e(d)(2) of title 10, United States Code, shall include training for Special Victims’ Counsel to recognize and deal with the unique challenges often faced by male victims of sexual assault.

SEC. 537. INCLUSION OF INFORMATION IN ANNUAL SAPRO REPORTS REGARDING MILITARY SEXUAL HARASSMENT AND INCIDENTS INVOLVING NONCONSENSUAL DISTRIBUTION OF PRIVATE SEXUAL IMAGES.

(a) ADDITIONAL REPORTING REQUIREMENTS.—Section 1631(b) of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383;
10 U.S.C. 1561 note) is amended by adding at the end the following new paragraphs:

“(13) Information and data collected through formal and informal reports of sexual harassment involving members of the Armed Forces during the year covered by the report, as follows:

“(A) The number of substantiated and unsubstantiated reports.

“(B) A synopsis of each substantiated report.

“(C) The action taken in the case of each substantiated report, including the type of disciplinary or administrative sanction imposed, if any, such as—

“(i) conviction and sentence by court-martial;

“(ii) imposition of non-judicial punishment under section 815 of title 10, United States Code (article 15 of the Uniform Code of Military Justice); or

“(iii) administrative separation or other type of administrative action imposed.

“(14) Information and data collected during the year covered by the report on each reported incident
involving the nonconsensual distribution by a person subject to chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), of a private sexual image of another person, including the following:

“(A) The number of substantiated and unsubstantiated reports.

“(B) A synopsis of each substantiated report.

“(C) The action taken in the case of each substantiated report, including the type of disciplinary or administrative sanction imposed, if any, such as—

“(i) conviction and sentence by court-martial;

“(ii) imposition of non-judicial punishment under section 815 of title 10, United States Code (article 15 of the Uniform Code of Military Justice); or

“(iii) administrative separation or other type of administrative action imposed.”.

(b) APPLICATION OF AMENDMENT.—The amendment made by this section shall take effect on the date of the enactment of this Act and apply beginning with the re-

SEC. 538. INCLUSION OF INFORMATION IN ANNUAL SAPRO REPORTS REGARDING SEXUAL ASSAULTS COMMITTED BY A MEMBER OF THE ARMED FORCES AGAINST THE MEMBER’S SPOUSE OR OTHER FAMILY MEMBER.

Beginning with the reports required to be submitted by March 1, 2019, under section 1631 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 1561 note), information regarding a sexual assault committed by a member of the Armed Forces against the spouse or intimate partner of the member or another dependent of the member shall be included in such reports in addition to the annual Family Advocacy Program report. The information may be included as an annex to such reports.
Subtitle E—Member Education, Training, Resilience, and Transition

SEC. 541. ELEMENT IN PRESEPARATION COUNSELING FOR MEMBERS OF THE ARMED FORCES ON ASSISTANCE AND SUPPORT SERVICES FOR CAREGIVERS OF CERTAIN VETERANS THROUGH THE DEPARTMENT OF VETERANS AFFAIRS.

(a) In General.—Section 1142(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(18) A description, developed in consultation with the Secretary of Veterans Affairs, of the assistance and support services for family caregivers of eligible veterans under the program conducted by the Secretary of Veterans Affairs pursuant to section 1720G of title 38, including the veterans covered by the program, the caregivers eligible for assistance and support through the program, and the assistance and support available through the program.”.

(b) Participation of Potential Caregivers in Appropriate Preseparation Counseling.—

(1) In General.—In accordance with procedures established by the Secretary of Defense, each
Secretary of a military department shall take appropriate actions to achieve the following:

(A) To determine whether each member of the Armed Forces under the jurisdiction of such Secretary who is undergoing preseparation counseling pursuant to section 1142 of title 10, United States Code (as amended by subsection (a)), and who may require caregiver services after separation from the Armed Forces has identified an individual to provide such services after the member’s separation.

(B) In the case of a member described in subparagraph (A) who has identified an individual to provide caregiver services after the member’s separation, at the election of the member, to permit such individual to participate in appropriate sessions of the member’s preseparation counseling in order to inform such individual of—

(i) the assistance and support services available to caregivers of members after separation from the Armed Forces; and

(ii) the manner in which the member’s transition to civilian life after separation
may likely affect such individual as a caregiver.

(2) **CAREGIVERS.**—For purposes of this subsection, individuals who provide caregiver services refers to individuals (including a spouse, partner, parent, sibling, adult child, other relative, or friend) who provide physical or emotional assistance to former members of the Armed Forces during and after their transition from military life to civilian life following separation from the Armed Forces.

(3) **DEADLINE FOR COMMENCEMENT.**—Each Secretary of a military department shall commence the actions required pursuant to this subsection by not later than 180 days after the date of the enactment of this Act.

**SEC. 542. IMPROVED EMPLOYMENT ASSISTANCE FOR MEMBERS OF THE ARMY, NAVY, AIR FORCE, AND MARINE CORPS AND VETERANS.**

(a) **IMPROVED EMPLOYMENT SKILLS VERIFICATION.**—Section 1143(a) of title 10, United States Code, is amended—

(1) by inserting “(1)” before “The Secretary of Defense”; and

(2) by adding at the end the following new paragraph:
“(2) In order to improve the accuracy and completeness of a certification or verification of job skills and experience required by paragraph (1), the Secretary of Defense shall—

“(A) establish a database to record all training performed by members of the Army, Navy, Air Force, and Marine Corps that may have application to employment in the civilian sector; and

“(B) make unclassified information regarding such information available to States and other potential employers referred to in subsection (c) so that State and other entities may allow military training to satisfy licensing or certification requirements to engage in a civilian profession.”.

(b) Improved Accuracy of Certificates of Training and Skills.—Section 1143(a) of title 10, United States Code, is further amended by inserting after paragraph (2), as added by subsection (a), the following new paragraph:

“(3) The Secretary of Defense shall ensure that a certification or verification of job skills and experience required by paragraph (1) is rendered in such a way that States and other potential employers can confirm the accuracy and authenticity of the certification or verification.”.
(c) IMPROVED RESPONSIVENESS TO CERTIFICATION REQUESTS.—Section 1143(c) of title 10, United States Code, is amended—

(1) by inserting “(1)” before “For the pur- pose”; and

(2) by adding at the end the following new paragraph:

“(2)(A) A State may—

“(i) use a certification or verification of job skills and experience provided to a member of the armed forces under subsection (a); and

“(ii) in the case of members of the Army, Navy, Air Force, and Marine Corps, request the Depart- ment of Defense to confirm the accuracy and au- thenticity of the certification or verification.

“(B) A response confirming or denying the informa- tion shall be provided within five business days.”.

(d) IMPROVED NOTICE TO MEMBERS.—Section 1142(b)(4)(A) of title 10, United States Code, is amended by inserting before the semicolon the following: “, including State-submitted and approved lists of military training and skills that satisfy occupational certifications and li- censes”.

SEC. 543. LIMITATION ON RELEASE OF MILITARY SERVICE ACADEMY GRADUATES TO PARTICIPATE IN PROFESSIONAL ATHLETICS.

(a) UNITED STATES MILITARY ACADEMY.—Section 4348(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(5) That the cadet—

“(A) will not seek release from the cadet’s commissioned service obligation to obtain employment as a professional athlete following graduation until the cadet completes a period of at least two consecutive years of commissioned service; and

“(B) understands that the appointment alternative described in paragraph (3) will not be used to allow the cadet to obtain such employment until at least the end of that two-year period.”.

(b) UNITED STATES NAVAL ACADEMY.—Section 6959(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(5) That the midshipman—

“(A) will not seek release from the midshipman’s commissioned service obligation to obtain employment as a professional athlete following graduation until the midshipman com-
pletes a period of at least two consecutive years of commissioned service; and

“(B) understands that the appointment alternative described in paragraph (3) will not be used to allow the midshipman to obtain such employment until at least the end of that two-year period.”.

(c) UNITED STATES AIR FORCE ACADEMY.—Section 9348(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(5) That the cadet—

“(A) will not seek release from the cadet’s commissioned service obligation to obtain employment as a professional athlete following graduation until the cadet completes a period of at least two consecutive years of commissioned service; and

“(B) understands that the appointment alternative described in paragraph (2) will not be used to allow the cadet to obtain such employment until at least the end of that two-year period.”.

(d) APPLICATION OF AMENDMENTS.—The Secretaries of the military departments shall promptly revise the cadet and midshipman service agreements under sec-
tions 4348, 6959, and 9348 of title 10, United States Code, to reflect the amendments made by this section. The revised agreement shall apply to cadets and midshipmen who are attending the United States Military Academy, the United States Naval Academy, or the United States Air Force Academy on the date of the enactment of this Act and to persons who begin attendance at such military service academies on or after that date.

SEC. 544. TWO-YEAR EXTENSION OF SUICIDE PREVENTION AND RESILIENCE PROGRAM FOR THE NATIONAL GUARD AND RESERVES.

Section 10219(g) of title 10, United States Code, is amended by striking “October 1, 2018” and inserting “October 1, 2020”.

SEC. 545. ANNUAL CERTIFICATIONS RELATED TO READY, RELEVANT LEARNING INITIATIVE OF THE NAVY.

(a) Annual Certifications Required.—Not later than March 1, 2018, and each year thereafter, the Secretary of the Navy shall submit to the Committees on Armed Services of the Senate and the House of Representatives a certification on the status of implementation of the Ready, Relevant Learning initiative of the Navy for each applicable enlisted rating.
(b) ELEMENTS.—Each certification under subsection (a) shall include the following:

1. A certification by the Commander of the United States Fleet Forces Command that the block learning and modernized delivery methods of the Ready, Relevant Learning initiative to be implemented during the fiscal year beginning in which such certification is submitted will meet or exceed the existing training delivery approach for all associated training requirements.

2. A certification by the Secretary of the Navy that the content re-engineering necessary to meet all training objectives and transition from the traditional training curriculum to the modernized delivery format to be implemented during such fiscal year will be complete prior to such transition, including full functionality of all required course software and hardware.

3. A detailed cost estimate of transitioning to the block learning and modernized delivery approaches to be implemented during such fiscal year with funding listed by purpose, amount, appropriations account, budget program element or line item, and end strength adjustments.
(4) A detailed phasing plan associated with transitioning to the block learning and modernized delivery approaches to be implemented during such fiscal year, including the current status, timing, and identification of reductions in “A” school and “C” school courses, curricula, funding, and personnel.

(5) A certification by the Secretary of the Navy that—

(A) the contracting strategy associated with transitioning to the modernized delivery approach to be implemented during such fiscal year has been completed; and

(B) contracting actions contain sufficient specification detail to enable a low risk approach to receiving the deliverable end item or items on-budget, on-schedule, and with satisfactory performance.

SEC. 546. AUTHORITY TO EXPAND ELIGIBILITY FOR THE UNITED STATES MILITARY APPRENTICESHIP PROGRAM.

(a) Expansion Authorized.—The Secretary of Defense may expand eligibility for the United Services Military Apprenticeship Program to include any member of the uniformed services.
(b) DEFINITION.—In this section, the term “uniformed services” has the meaning given such term in section 101(a)(5) of title 10, United States Code.

SEC. 547. LIMITATION ON AVAILABILITY OF FUNDS FOR ATTENDANCE OF AIR FORCE ENLISTED PERSONNEL AT AIR FORCE OFFICER PROFESSIONAL MILITARY EDUCATION IN-RESIDENCE COURSES.

(a) LIMITATION.—None of the funds authorized to be appropriated or otherwise made available for the Department of the Air Force may be obligated or expended for the purpose of the attendance of Air Force enlisted personnel at Air Force officer professional military education (PME) in-residence courses until the later of—

(1) the date on which the Secretary of the Air Force submits to the Committees on Armed Services of the Senate and the House of Representatives, and to the Comptroller General of the United States, a report on the attendance of such personnel at such courses as described in subsection (b);

(2) the date on which the Comptroller General submits to such committees the report setting forth an assessment of the report under paragraph (1) as described in subsection (c); or
(3) 180 days after the date of the enactment of this Act.

(b) SECRETARY OF THE AIR FORCE REPORT.—The report of the Secretary described in subsection (a)(1) shall include the following:

(1) The purpose of the attendance of Air Force enlisted personnel at Air Force officer professional military education in-residence courses.

(2) The objectives for the attendance of such enlisted personnel at such officer professional military education courses.

(3) The required prerequisites for such enlisted personnel to attend such officer professional military education courses.

(4) The process for selecting such enlisted personnel to attend such officer professional military education courses.

(5) The impact of the attendance of such enlisted personnel at such officer professional military education courses on the availability of officer allocations for the attendance of officers at such courses.

(6) The impact of the attendance of such enlisted personnel at such officer professional military education courses on the morale and retention of officers attending such courses.
(7) The resources required for such enlisted personnel to attend such officer professional military education courses.

(8) The impact on unit and overall Air Force manning levels of the attendance of such enlisted personnel at such officer professional military education courses, especially at the statutorily-limited end strengths of grades E–8 and E–9.

(9) The extent to which graduation by such enlisted personnel from such officer professional military education courses is a requirement for Air Force or joint assignments.

(10) The planned assignment utilization for Air Force enlisted graduates of such officer professional military education courses.

(11) Any other matters in connection with the attendance of such enlisted personnel at such officer professional military education courses that the Secretary considers appropriate.

(c) COMPTROLLER GENERAL OF THE UNITED STATES REPORT.—

(1) IN GENERAL.—Not later than 90 days after the date the Secretary submits the report described in subsection (a)(1), the Comptroller General shall submit to the Committees on Armed Services of the
Senate and the House of Representatives a briefing
on an assessment of the report by the Comptroller
General. As soon as practicable after the briefing,
the Comptroller General shall submit to such com-
mittees a report on such assessment for purposes of
subsection (a)(2).

(2) ELEMENTS.—The report under paragraph
(1) shall include the following:

(A) An assessment of whether the conclu-
sions and assertions included in the report of
the Secretary under subsection (a) are com-
prehensive, fully supported, and sufficiently de-
tailed.

(B) An identification of any shortcomings,
limitations, or other reportable matters that af-
flect the quality of the findings or conclusions of
the report of the Secretary.

SEC. 548. LIEUTENANT HENRY OSSIAN FLIPPER LEADER-
SHIP SCHOLARSHIPS.

(a) IN GENERAL.—The Secretary of the Army shall
designate a number of scholarships under the Army Senior
Reserve Officers’ Training Corps (SROTC) program that
are available to students at minority-serving institutions
as “Lieutenant Henry Ossian Flipper Leadership Scholar-
ships”.
(b) NUMBER DESIGNATED.—The number of scholarships designated pursuant to subsection (a) shall be the number the Secretary determines appropriate to increase the number of Senior Reserve Officers’ Training Corps scholarships at minority-serving institutions. In making the determination, the Secretary shall give appropriate consideration to the following:

(1) The number of Senior Reserve Officers’ Training Corps scholarships available at all institutions participating in the Senior Reserve Officer’s Training Corps program.

(2) The number of such minority-serving institutions that offer the Senior Reserve Officers’ Training Corps program to their students.

(c) AMOUNT OF SCHOLARSHIP.—The Secretary may increase any scholarship designated pursuant to subsection (a) to an amount in excess of the amount of the Senior Reserve Officers’ Training Corps program scholarship that would otherwise be offered at the minority-serving institution concerned if the Secretary considers that a scholarship of such increased amount is appropriate for the purpose of the scholarship.

(d) MINORITY-SERVING INSTITUTION DEFINED.—In this section, the term “minority-serving institution” means an institution of higher education described in sec-
tion 371(a) of the Higher Education Act of 1965 (20 U.S.C. 1067q(a)).

SEC. 549. PILOT PROGRAMS ON APPOINTMENT IN THE EXCEPTED SERVICE IN THE DEPARTMENT OF DEFENSE OF PHYSICALLY DISQUALIFIED FORMER CADETS AND MIDSHIPMEN.

(a) PILOT PROGRAMS AUTHORIZED.—

(1) IN GENERAL.—Each Secretary of a military department may carry out a pilot program under which former cadets or midshipmen described in paragraph (2) (in this section referred to as “eligible individuals”) under the jurisdiction of such Secretary may be appointed by the Secretary of Defense in the excepted service under section 3320 of title 5, United States Code, in the Department of Defense.

(2) CADETS AND MIDSHIPMEN.—Except as provided in paragraph (3), a former cadet or midshipman described in this paragraph is any former cadet at the United States Military Academy or the United States Air Force Academy, and any former midshipman at the United States Naval Academy, who—

(A) completed the prescribed course of instruction and graduated from the applicable service academy; and
(B) is determined to be medically disqualified to complete a period of active duty in the Armed Forces prescribed in an agreement signed by such cadet or midshipman in accordance with section 4348, 6959, or 9348 of title 10, United States Code.

(3) EXCEPTION.—A former cadet or midshipman whose medical disqualification as described in paragraph (2)(B) is the result of the gross negligence or misconduct of the former cadet or midshipman is not an eligible individual for purposes of appointment under a pilot program.

(b) PURPOSE.—The purpose of the pilot programs conducted under this section is to evaluate the feasibility and advisability of permitting eligible individuals who cannot accept a commission or complete a period of active duty in the Armed Forces prescribed by the Secretary of the military department concerned to fulfill an obligation for active duty service in the Armed Forces through service as a civilian employee of the Department of Defense.

(c) POSITIONS.—

(1) IN GENERAL.—The positions to which an eligible individual may be appointed under a pilot program conducted under this section are existing positions within the Department of Defense in grades up
to GS–9 under the General Schedule under section 5332 of title 5, United States Code (or equivalent).

The authority in subsection (a) does not authorize the creation of additional positions, or create any vacancies to which eligible individuals may be appointed under a pilot program.

(2) Term positions.—Any appointment under a pilot program shall be to a position having a term of five years or less.

(d) Scope of authority.—

(1) Recruitment and retention of eligible individuals.—The authority in subsection (a) may be used only to the extent necessary to recruit and retain on a non-competitive basis cadets and midshipmen who are relieved of an obligation for active duty in the Armed Forces due to becoming medically disqualified from serving on active duty in the Armed Forces, and may not be used to appoint any other individuals in the excepted service.

(2) Voluntary acceptance of appointments.—A pilot program conducted under this section may not be used as an implicit or explicit basis for compelling an eligible individual to accept an appointment in the excepted service in accordance with this section.
(c) Relationship to Repayment Provisions.—
Completion of a term appointment pursuant to a pilot program conducted under this section shall relieve the eligible individual concerned of any repayment obligation under section 303a(e) or 373 of title 37, United States Code, with respect to the agreement of the individual described in subsection (a)(2)(B).

(f) Termination.—

(1) In general.—The authority to appoint eligible individuals in the excepted service under a pilot program conducted under this section shall expire on the date that is four years after the date of the enactment of this Act.

(2) Effect on existing appointments.—The termination by paragraph (1) of the authority in subsection (a) shall not affect any appointment made under that authority before the termination date specified in paragraph (1) in accordance with the terms of such appointment.

(g) Reporting Requirement.—

(1) Report required.—Not later than the date that is three years after the date of the enactment of this Act, each Secretary of a military department shall submit to the appropriate congressional committees a report containing an evaluation
of the effectiveness of the pilot program conducted
by such Secretary under this section, including the
number of eligible individuals appointed as civilian
employees of the Department of Defense under the
program and the retention rate for such employees.

(2) APPROPRIATE CONGRESSIONAL COMMIT-
tees defined.—In this section, the term “appro-
priate congressional committees” means the Com-
mittee on Armed Services and the Committee on
Homeland Security and Government Affairs of the
Senate and the Committee on Armed Services and
the Committee on Oversight and Government Re-
form of the House of Representatives.

Subtitle F—Defense Dependents’
Education and Military Family
Readiness Matters

PART I—DEFENSE DEPENDENTS’ EDUCATION
MATTERS

SEC. 551. ASSISTANCE TO SCHOOLS WITH MILITARY DE-
PENDENT STUDENTS.

(a) IMPACT AID FOR CHILDREN WITH SEVERE DIS-
ABILITIES.—

(1) IN GENERAL.—Of the amount authorized to
be appropriated for fiscal year 2018 pursuant to sec-
tion 301 and available for operation and mainte-
nance for Defense-wide activities as specified in the funding table in section 4301, $10,000,000 shall be available for payments under section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (20 U.S.C. 7703a).

(2) Use of Certain Amount.—Of the amount available under subsection (a) for payments as described in that subsection, $5,000,000 shall be available for such payments to local educational agencies determined by the Secretary of Defense, in the discretion of the Secretary, to have higher concentrations of military children with severe disabilities.

(b) Assistance to Schools With Significant Numbers of Military Dependent Students.—Of the amount authorized to be appropriated for fiscal year 2018 by section 301 and available for operation and maintenance for Defense-wide activities as specified in the funding table in section 4301, $40,000,000 shall be available only for the purpose of providing assistance to local educational agencies under subsection (a) of section 572 of the National Defense Authorization Act for Fiscal Year 2006 (Public Law 109–163; 20 U.S.C. 7703b).

(c) Local Educational Agency Defined.—In this section, the term “local educational agency” has the meaning given that term in section 7013(9) of the Ele-
mentary and Secondary Education Act of 1965 (20 U.S.C. 7713(9)).

SEC. 552. TRANSITIONS OF MILITARY DEPENDENT STUDENTS FROM DEPARTMENT OF DEFENSE DEPENDENT SCHOOLS TO OTHER SCHOOLS AND AMONG SCHOOLS OF LOCAL EDUCATIONAL AGENCIES.


(b) CONFORMING AMENDMENT.—Section 572(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 20 U.S.C. 7703b note) is amended by striking “that includes a request for the extension of section 574(e) of the John Warner National Defense Authorization Act for Fiscal Year 2007 shall include” and inserting “shall include, with respect to section 574(e) of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 20 U.S.C. 7703b note),”.
SEC. 553. REPORT ON EDUCATIONAL OPPORTUNITIES IN
SCIENCE, TECHNOLOGY, ENGINEERING, AND
MATHEMATICS FOR CHILDREN WHO ARE DEPENDENTS OF MEMBERS OF THE ARMED
FORCES.

Not later than two years after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report containing a description and assessment of—

(1) current Department of Defense programs intended to improve educational opportunities and achievement in science, technology, engineering, and mathematics for children who are dependents of members of the Armed Forces; and

(2) Department of Defense efforts to increase opportunities and achievement in science, technology, engineering, and mathematics for children who are dependents of members of the Armed Forces.
PART II—MILITARY FAMILY READINESS

MATTERS

SEC. 555. CODIFICATION OF AUTHORITY TO CONDUCT FAMILY SUPPORT PROGRAMS FOR IMMEDIATE FAMILY MEMBERS OF MEMBERS OF THE ARMED FORCES ASSIGNED TO SPECIAL OPERATIONS FORCES.

(a) CODIFICATION OF EXISTING AUTHORITY.—Chapter 88 of title 10, United States Code, is amended by inserting after section 1788 a new section 1788a consisting of—

(1) a heading as follows:

§ 1788a. Family support programs: immediate family members of members of special operations forces”; and

(2) a text consisting of subsections (a), (b), (d), and (e) of section 554 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 10 U.S.C. 1788 note).

(b) REPORTING REQUIREMENT.—Section 1788a of title 10, United States Code, as added by subsection (a) of this section, is further amended—

(1) by redesignating subsection (d), as so added, as subsection (e); and

(2) by inserting after such subsection the following new subsection (d):
“(d) ANNUAL REPORT.—

“(1) REPORT REQUIRED.—Not later than March 1, 2019, and each March 1 thereafter, the Commander, in coordination with the Under Secretary of Defense for Personnel and Readiness, shall submit to the congressional defense committees a report describing the progress made in achieving the goals of the family support programs conducted under this section.

“(2) ELEMENTS OF REPORTS.—Each report under this subsection shall include the following:

“(A) A detailed description of the programs conducted under this section to address family support requirements for family members of members of the armed forces assigned to special operations forces.

“(B) An assessment of the impact of the programs on military readiness and on family members of members of the armed forces assigned to special operations forces.

“(C) A description of the special operations-peculiar aspects of the programs and a comparison and differentiation of these programs with other programs conducted by the Secretaries of the military departments to pro-
provide family support services to immediate family
members of members of the armed forces.

“(D) Recommendations for incorporating
lessons learned into other family support pro-
grams.

“(E) Any other matters the Commander
considers appropriate regarding the programs.”.

(c) FUNDING.—Subsection (c) of section 1788a of
title 10, United States Code, as added by subsection (a)
of this section and redesignated by subsection (b)(1) of
this section, is amended by striking “specified” and all
that follows through the end of the subsection and insert-
ing “, from funds available for Major Force Program 11,
to carry out family support programs under this section.”.

(d) ELIMINATION OF PILOT PROGRAM REFERENCES
AND OTHER CONFORMING AMENDMENTS.—Section
1788a of title 10, United States Code, as added by sub-
section (a) of this section, is further amended—

(1) by striking “Armed Forces” each place it
appears and inserting “armed forces”;

(2) by striking “pilot” each place it appears;

(3) in subsection (a)—

(A) in the subsection heading, by striking
“PILOT”; and
(B) by striking “up to three” and all that
follows through “providing” and inserting “pro-
grams to provide”; and
(4) in subsection (e)—
(A) in paragraph (2), by striking “title 10,
United States Code” and inserting “this title”; and
(B) in paragraph (3), by striking “such
title” and inserting “this title”.
(e) CLERICAL AMENDMENT.—The table of sections
at the beginning of subchapter I of chapter 88 of title 10,
United States Code, is amended by inserting after the
item relating to section 1788 the following new item:
“1788a. Family support programs: immediate family members of members of
special operations forces.”.
(f) CONFORMING REPEAL.—Section 554 of the Na-
tional Defense Authorization Act for Fiscal Year 2014
(Public Law 113–66; 10 U.S.C. 1788 note) is repealed.
SEC. 556. REIMBURSEMENT FOR STATE LICENSURE AND
CERTIFICATION COSTS OF A SPOUSE OF A
MEMBER OF THE ARMED FORCES ARISING
FROM RELOCATION TO ANOTHER STATE.
(a) REIMBURSEMENT AUTHORIZED.—Section 476 of
title 37, United States Code, is amended by adding at the
end the following new subsection:
“(p)(1) From amounts otherwise made available for a fiscal year to provide travel and transportation allowances under this chapter, the Secretary concerned may reimburse a member of the armed forces for qualified relicensing costs of the spouse of the member when—

“(A) the member is reassigned, either as a permanent change of station or permanent change of assignment, from a duty station in one State to a duty station in another State; and

“(B) the movement of the member’s dependents is authorized at the expense of the United States under this section as part of the reassignment.

“(2) Reimbursement provided to a member under this subsection may not exceed $500 in connection with each reassignment described in paragraph (1).

“(3) Not later than December 31, 2021, the Secretary of Defense, in consultation with the Secretary of Homeland Security with respect to the Coast Guard, shall submit to the congressional defense committees, the Committee on Homeland Security and Government Affairs of the Senate, and the Committee on Oversight and Government Reform of the House of Representatives a report—

“(A) describing the extent to which the reimbursement authority provided by this subsection has been used; and
“(B) containing a recommendation by the Secretaries regarding whether the authority should be extended beyond the date specified in paragraph (4).

“(4) No reimbursement may be provided under this subsection for qualified relicensing costs paid or incurred after December 31, 2022.

“(5) In this subsection, the term ‘qualified relicensing costs’ means costs, including exam and registration fees, that—

“(A) are imposed by the State of the new duty station to secure a license or certification to engage in the same profession that the spouse of the member engaged in while in the State of the original duty station; and

“(B) are paid or incurred by the member or spouse to secure the license or certification from the State of the new duty station after the date on which the orders directing the reassignment described in paragraph (1) are issued.”.

(b) DEVELOPMENT OF RECOMMENDATIONS TO EXPEDITE LICENSE PORTABILITY FOR MILITARY SPOUSES.—

(1) CONSULTATION WITH STATES.—The Secretary of Defense, and the Secretary of Homeland
Security with respect to the Coast Guard, shall consult with States—

(A) to identify barriers to the portability between States of a license, certification, or other grant of permission held by the spouse of a member of the Armed Forces to engage in an occupation when the spouse moves between States as part of a permanent change of station or permanent change of assignment of the member; and

(B) to develop recommendations for the Federal Government and the States, together or separately, to expedite the portability of such licenses, certifications, and other grants of permission for military spouses.

(2) SPECIFIC CONSIDERATIONS.—In conducting the consultation and preparing the recommendations under paragraph (1), the Secretaries shall consider the feasibility of—

(A) States accepting licenses, certifications, and other grants of permission described in paragraph (1) issued by another State and in good standing in that State;
(B) the issuance of a temporary license pending completion of State-specific requirements; and

(C) the establishment of an expedited review process for military spouses.

(3) REPORT REQUIRED.—Not later than March 15, 2018, the Secretaries shall submit to the appropriate congressional committees and the States a report containing the recommendations developed under this subsection.

(4) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term “appropriate congressional committees” means the congressional defense committees, the Committee on Homeland Security and Government Affairs of the Senate, and the Committee on Oversight and Government Reform of the House of Representatives.

SEC. 557. TEMPORARY EXTENSION OF EXTENDED PERIOD OF PROTECTIONS FOR MEMBERS OF UNIFORMED SERVICES RELATING TO MORTGAGES, MORTGAGE FORECLOSURE, AND EVICTION.

Section 710(d) of the Honoring America’s Veterans and Caring for Camp Lejeune Families Act of 2012 (Public Law 112–154; 50 U.S.C. 3953 note) is amended—
(1) in paragraph (1), by striking “December 31, 2017” and inserting “December 31, 2019”; and

(2) in paragraph (3), by striking “January 1, 2018” and inserting “January 1, 2020”.

SEC. 558. ENHANCING MILITARY CHILDCARE PROGRAMS AND ACTIVITIES OF THE DEPARTMENT OF DEFENSE.

(a) Hours of Operation of Military Childcare Development Centers.—Each Secretary of a military department shall ensure, to the extent practicable, that the hours of operation of each childcare development center under the jurisdiction of the Secretary are established and maintained in manner that takes into account the demands and circumstances of members of the Armed Forces, including members of the reserve components, who use such center in facilitation of the performance of their military duties.

(b) Matters to Be Taken Into Account.—The demands and circumstances to be taken into account under subsection (a) for purposes of setting and maintaining the hours of operation of a childcare development center shall include the following:

(1) Mission requirements of units whose members use the childcare development center.
(2) The unpredictability of work schedules, and fluctuations in day-to-day work hours, of such members.

(3) The potential for frequent and prolonged absences of such members for training, operations, and deployments.

(4) The location of the childcare development center on the military installation concerned, including the location in connection with duty locations of members and applicable military family housing.

(5) Such other matters as the Secretary of the military department concerned considers appropriate for purposes of this section.

(c) Childcare Coordinators for Military Installations.—Each Secretary of a military department may provide for a childcare coordinator at each military installation under the jurisdiction of the Secretary at which are stationed significant numbers of members of the Armed Forces with accompanying dependent children, as determined by the Secretary. The childcare coordinator may work with the commander of the installation to ensure that childcare is available and responsive to the needs of members assigned to the installation.
SEC. 559. DIRECT HIRE AUTHORITY FOR DEPARTMENT OF DEFENSE FOR CHILDCARE SERVICES PROVIDERS FOR DEPARTMENT CHILD DEVELOPMENT CENTERS.

(a) IN GENERAL.—The Secretary of Defense may appoint, without regard to any provision of subchapter I of chapter 33 of title 5, United States Code, qualified childcare services providers in the competitive service if the Secretary determines that—

(1) there is a critical hiring need for childcare services providers for Department of Defense child development centers; and

(2) there is a shortage of childcare services providers.

(b) REGULATIONS.—The Secretary shall carry out this section in accordance with regulations prescribed by the Secretary for purposes of this section.

(c) DEADLINE FOR IMPLEMENTATION.—The Secretary shall prescribe the regulations required by subsection (b), and commence implementation of subsection (a), by not later than May 1, 2018.

(d) BRIEFING.—Not later than 90 days after the end of each of fiscal years 2019 and 2021, the Secretary of Defense shall provide a briefing to the Committee on Armed Services of the House of Representatives, the Committee on Armed Services of the Senate, the Committee
on Oversight and Government Reform of the House of Representatives, and the Committee on Homeland Security and Governmental Affairs of the Senate on the use of the appointment authority provided by subsection (a).

(e) Childcare Services Provider Defined.—In this section, the term “childcare services provider” means a person who provides childcare services for dependent children of members of the Armed Forces and civilian employees of the Department of Defense in child development centers on Department installations.

(f) Expiration of Authority.—The appointment authority provided by subsection (a) expires on September 30, 2021.

SEC. 560. PILOT PROGRAM ON PUBLIC-PRIVATE PARTNERSHIPS FOR TELEWORK FACILITIES FOR MILITARY SPOUSES ON MILITARY INSTALLATIONS OUTSIDE THE UNITED STATES.

(a) In General.—Commencing not later than one year after the date of the enactment of this Act, the Secretary of Defense shall carry out a pilot program to assess the feasibility and advisability of providing telework facilities for military spouses on military installations outside the United States. The Secretary shall consult with the host nation or nations concerned in carrying out the pilot program.
(b) NUMBER OF INSTALLATIONS.—The Secretary shall carry out the pilot program at not less than two military installations outside the United States selected by the Secretary for purposes of the pilot program.

(c) DURATION.—The duration of the pilot program shall be a period selected by the Secretary, but not more than three years.

(d) ELEMENTS.—The pilot program shall include the following elements:

(1) The pilot program shall be conducted as one or more public-private partnerships between the Department of Defense and a private corporation or partnership of private corporations.

(2) The corporation or corporations participating in the pilot program shall contribute to the carrying out of the pilot program an amount equal to the amount committed by the Secretary to the pilot program at the time of its commencement.

(3) The Secretary shall enter into one or more memoranda of understanding with the corporation or corporations participating in the pilot program for purposes of the pilot program, including the amounts to be contributed by such corporation or corporations pursuant to paragraph (2).
(4) The telework undertaken by military spouses under the pilot program may only be for United States companies.

(5) The pilot program shall permit military spouses to provide administrative, informational technology, professional, and other necessary support to companies through telework from Department installations outside the United States.

(e) FUNDING.—Of the amount authorized to be appropriated for fiscal year 2018 by section 421 and available for military personnel as specified in the funding table in section 4401, up to $1,000,000 may be available to carry out the pilot program, including entry into memorandum of understanding pursuant to subsection (d)(3) and payment by the Secretary of the amount committed by the Secretary to the pilot program pursuant to subsection (d)(2).

Subtitle G—Decorations and Awards

SEC. 561. AUTHORIZATION FOR AWARD OF THE MEDAL OF HONOR TO GARLIN M. CONNER FOR ACTS OF VALOR DURING WORLD WAR II.

(a) Waiver of Time Limitations.—Notwithstanding the time limitations specified in section 3744 of title 10, United States Code, or any other time limitation
with respect to the awarding of certain medals to persons who served in the Armed Forces, the President may award the Medal of Honor under section 3741 of such title to Garlin M. Conner for the acts of valor during World War II described in subsection (b).

(b) Acts of Valor Described.—The acts of valor referred to in subsection (a) are the actions of Garlin M. Conner during combat on January 24, 1945, as a member of the United States Army in the grade of First Lieutenant in France while serving with Company K, 3d Battalion, 7th Infantry Regiment, 3d Infantry Division, for which he was previously awarded the Distinguished-Service Cross.

SEC. 562. AUTHORIZATION FOR AWARD OF DISTINGUISHED-SERVICE CROSS TO SPECIALIST FRANK M. CRARY FOR ACTS OF VALOR IN VIETNAM.

(a) Authorization.—Notwithstanding the time limitations specified in section 3744 of title 10, United States Code, or any other time limitation with respect to the awarding of certain medals to persons who served in the Armed Forces, the President may award the Distinguished-Service Cross under section 3742 of such title to Specialist Frank M. Crary for the acts of valor in Vietnam described in subsection (b).
(b) **ACTS OF VALOR DESCRIBED.**—The acts of valor referred to in subsection (a) are the actions of Frank M. Crary on April 7, 1966, as a member of the Army serving in the grade of Specialist in Vietnam while serving with Company D, 1st Battalion (Airborne), 12th Cavalry Regiment, 1st Cavalry Division.

**Subtitle H—Miscellaneous Reporting Requirements**

**SEC. 571.** **ANALYSIS AND REPORT ON ACCOMPANIED AND UNACCOMPANIED TOURS OF DUTY IN REMOTE LOCATIONS WITH HIGH FAMILY SUPPORT COSTS.**

(a) **ANALYSIS REQUIRED.**—The Secretary of Defense shall conduct a comparative analysis of accompanied tours of duty and unaccompanied tours of duty of members of the Armed Forces in remote locations with high family support costs (including facility construction and operation costs), including—

1. the Azores;
2. United States Naval Station, Guantanamo Bay, Cuba;
3. Okinawa, Japan;
4. the Republic of Korea;
5. Kwajalein Atoll;
6. Al Udeid Air Base, Qatar; and
(7) such other locations as the Secretary considers appropriate for purposes of the analysis.

(b) REPORTING REQUIREMENT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report containing the results of the analysis conducted under subsection (a).

SEC. 572. REVIEW AND REPORTS ON POLICIES FOR REGULAR AND RESERVE OFFICER CAREER MANAGEMENT.

(a) REVIEW REQUIRED.—The Secretary of Defense, in consultation with the Secretaries of the military departments, shall conduct a review of the policies of the Department of Defense for the career management of regular and reserve officers of the Armed Forces pursuant to the Defense Officer Personnel Management Act (commonly referred to as “DOPMA”) and the Reserve Officer Personnel Management Act (commonly referred to as “ROPMA”).

(b) ELEMENTS OF REVIEW.—The review required by subsection (a) shall include the following:

(1) A statistical analysis, based on exit surveys and other data available to the military departments, on the impact that current personnel policies under the Defense Officer Personnel Management Act have
on recruiting and retention of qualified regular and reserve officers of the Armed Forces. Specifically, the statistical analysis shall include an estimate of the number of officers who leave the Armed Forces each year because of dissatisfaction with the current personnel policies, including career progression, promotion policies, and a perceived lack of opportunity for schooling and broadening assignments.

(2) An analysis of the extent to which current personnel policies inhibit the professional development of officers.

(3) An analysis of the impact that increased flexibility in promotion, assignments, and career length would have on officer competency in their military occupational specialties.

(4) An analysis of the efficacy of officer talent management systems currently used by the military departments.

(5) An analysis of the benefits and limitations of the current promotion timelines and the “up-or-out” system required by policy and law.

(6) An analysis of the reasons and frequency with which officers in the grade of O–3 or above are passed over for promotion to the next higher grade, particularly those officers who have pursued ad-
vanced degrees, broadening assignments, and non-
traditional career patterns.

(7) The utility and feasibility of creating new
competitive categories or an independent career and
promotion path for officers in low-density military
occupational specialties.

(8) An analysis of how best to encourage and
facilitate the recruitment and retention of officers
with technical expertise.

(9) The utility and feasibility of encouraging of-
ficers to pursue careers of lengths that vary from
the traditional 20-year military career and the mech-
anisms that could be employed to encourage officers
to pursue these varying career lengths.

(10) An analysis of what actions have been or
could be taken within current statutory authority to
address officer management challenges.

(11) An analysis of what actions can be taken
by the Armed Forces to change the institutional cul-
ture regarding commonly held perceptions on appro-
priate promotion timelines, career progression, and
traditional career patterns.

(12) An analysis of how the Armed Forces can
avoid an officer corps disproportionately weighted to-
ward officers serving in the grades of major, lieuten-
ant colonel, and colonel and Navy grades of lieutenant-

ant commander, commander, and captain, if statutory officer grade caps are relaxed.

(13) The utility and feasibility of allowing officers to repeatedly and seamlessly transition between active duty and reserve active-status throughout the course of their military careers.

(14) An analysis of the current officer force-shaping authorities and any changes needed to these authorities to improve recruiting, retention, and readiness.

(15) An analysis of any other matters the Secretary of Defense considers appropriate to improve the effective recruitment and retention of officers.

(c) REPORTING REQUIREMENTS.—

(1) INITIAL REPORT.—Not later than March 1, 2018, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report evaluating the impact on officer retention of granting promotion boards the authority to recommend officers of particular merit be placed at the top of the promotion list.

(2) COMPLETE REPORT.—Not later than July 31, 2018, the Secretary of Defense shall submit to
the Committees on Armed Services of the Senate
and the House of Representatives a report setting
forth the results of the review conducted under sub-
section (a).

(3) Scope of report.—If any recommenda-
tion of the Secretary of Defense in a report required
by this subsection requires legislative or administra-
tive action for implementation, the report shall in-
clude a proposal for legislative action, or a descrip-
tion of administrative action, as applicable, to imple-
ment such recommendation.

SEC. 573. REVIEW AND REPORT ON EFFECTS OF PER-
SONNEL REQUIREMENTS AND LIMITATIONS
ON THE AVAILABILITY OF MEMBERS OF THE
NATIONAL GUARD FOR THE PERFORMANCE
OF FUNERAL HONORS DUTY FOR VETERANS.

(a) Review Required.—The Secretary of Defense
shall undertake a review of the effects of the personnel
requirements and limitations described in subsection (b)
with respect to the members of the National Guard in
order to determine whether or not such requirements un-
duly limit the ability of the Armed Forces to meet the de-
mand for personnel to perform funeral honors in connec-
tion with funerals of veterans.
(b) Personnel Requirements and Limitations.—The personnel requirements and limitations described in this subsection are the following:

(1) Requirements, such as the ceiling on the authorized number of members of the National Guard on active duty pursuant to section 115(b)(2)(B) of title 10, United States Code, or end-strength limitations, that may operate to limit the number of members of the National Guard available for the performance of funeral honors duty.

(2) Any other requirements or limitations applicable to the reserve components of the Armed Forces in general, or the National Guard in particular, that may operate to limit the number of members of the National Guard available for the performance of funeral honors duty.

(c) Report.—Not later than six months after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the review undertaken pursuant to subsection (a). The report shall include the following:

(1) A description of the review.

(2) Such recommendations as the Secretary considers appropriate in light of the review for legis-
lative or administrative action to expand the number
of members of the National Guard available for the
performance of funeral honors functions at funerals
of veterans.

SEC. 574. REVIEW AND REPORT ON AUTHORITIES FOR THE
EMPLOYMENT, USE, AND STATUS OF NA-
TIONAL GUARD AND RESERVE TECHNICIANS.

(a) REVIEW REQUIRED.—The Secretary of Defense
shall conduct a review of the following:

(1) Authority for the employment, use, and sta-
tus of National Guard technicians under section 709
of title 32, United States Code (commonly referred
to as the National Guard Technicians Act of 1968).

(2) Authorities for the employment, use, and
status of National Guard and Reserve technicians
under sections 10216 through 10218 of title 10,
United States Code.

(3) Any other authorities on the employment,
use, and status of National Guard and Reserve tech-
nicians under law.

(b) PURPOSES.—The purposes of the review under
subsection (a) shall be as follows:

(1) To define the mission and requirements of
National Guard and Reserve technicians.
(2) To identify means to improve the management and administration of the National Guard and Reserve technician workforce.

(3) To identify means to enhance the capability of the Department of Defense to recruit and retain National Guard and Reserve technicians.

(4) To assess the current career progression tracks of National Guard and Reserve technicians.

(e) CONSULTATION.—In conducting the review under subsection (a), the Secretary of Defense shall consult with the Chief of the National Guard Bureau, the Chief of Army Reserve, the Chief of Air Force Reserve, and representatives of National Guard and Reserve technicians, including collective bargaining representatives of such technicians.

(d) INCLUSION OF RECENT AUTHORITIES IN REVIEW.—The Secretary of Defense shall ensure that the review conducted under subsection (a) takes into account authorities, and modifications of authorities, for the employment, use, and status of National Guard and Reserve technicians contained in the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) and the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).
(c) REQUIRED REVIEW ELEMENTS.—In meeting the purposes of the review conducted under subsection (a), as set forth in subsection (b), the Secretary of Defense shall address, in particular, the following:

(1) The extent to which National Guard and Reserve technicians are assigned military duties inconsistent with, or of a different nature than, their civilian duties, the impact of such assignments on unit readiness, and the effect of such assignments on the career progression of technicians.

(2) The use by the Department of Defense (especially within the National Guard) of selective retention boards to separate National Guard and Reserve technicians from military service (with the effect of thereby separating them from civilian service) before they accrue a full, unreduced retirement annuity in connection with Federal civilian service, and whether that use is consistent with the authority in section 10216(f) of title 10, United States Code, that technicians be permitted to remain in service past their mandatory separation date until they qualify for an unreduced retirement annuity.

(3) The impact on recruitment and retention, and the budgetary impact, of permitting National Guard and Reserve technicians who receive an en-
listment incentive before becoming a technician to retain such incentive upon becoming a technician.

(f) REPORTING REQUIREMENT.—Not later than April 1, 2018, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report containing—

(1) the results of the review conducted under subsection (a), including a discussion of the matters set forth in subsections (b) and (e); and

(2) such recommendations for legislative or administrative action as the Secretary considers appropriate in light of the review in order to improve and enhance the employment, use, and status of National Guard and Reserve technicians.

SEC. 575. ASSESSMENT AND REPORT ON EXPANDING AND CONTRACTING FOR CHILDCARE SERVICES OF THE DEPARTMENT OF DEFENSE.

(a) ASSESSMENT REQUIRED.—The Secretary of Defense shall conduct an assessment of the feasibility and advisability of the following:

(1) Expanding the operating hours of childcare facilities of the Department of Defense in order to meet childcare services requirements for swing-shift, night-shift, and weekend workers.
(2) Using contracts with private-sector childcare services providers to expand the availability of childcare services for members of the Armed Forces at locations outside military installations at costs similar to the current costs for childcare services through child development centers on military installations.

(3) Contracting with private-sector childcare services providers to operate childcare facilities of the Department on military installations.

(4) Expanding childcare services as described in paragraphs (1) through (3) to members of the National Guard and Reserves in a manner that does not substantially raise costs of childcare services for the military departments or conflict with others who have a higher priority for space in childcare services programs, such as members of the Armed Forces on active duty.

(b) REPORTING REQUIREMENT.—Not later than September 1, 2018, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report containing the results of the assessment conducted under subsection (a).
SEC. 576. REVIEW AND REPORT ON COMPENSATION PROVIDED CHILDCARE SERVICES PROVIDERS OF THE DEPARTMENT OF DEFENSE.

(a) REVIEW REQUIRED.—The Secretary of Defense shall conduct a review of the compensation provided for childcare services providers within the Department of Defense, including positions subject to General Schedule pay grades and positions occupied by nonappropriated fund instrumentality employees.

(b) ELEMENTS OF REVIEW.—The review conducted under subsection (a) shall include the following:

(1) A comparison of the compensation provided for childcare services provider positions within the Department with the compensation provided to childcare services providers in the private sector who provide similar childcare services.

(2) An assessment of the mix of General Schedule pay grades and compensation levels for nonappropriated fund instrumentality employees currently required by the Department to most effectively recruit and retain childcare services providers for dependents of members of the Armed Forces.

(3) A comparison of the budget implications of the current General Schedule pay grade mix and nonappropriated fund instrumentality compensation levels with the pay grade mix and compensation lev-
els determined pursuant to paragraph (2) to be required by the Department to most effectively recruit and retain childcare services providers for dependents of members of the Armed Forces.

(c) REPORTING REQUIREMENT.—Not later than September 1, 2018, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report containing the results of the review conducted under subsection (a).

SEC. 577. COMPTROLLER GENERAL OF THE UNITED STATES ASSESSMENT AND REPORT ON THE OFFICE OF COMPLEX INVESTIGATIONS WITHIN THE NATIONAL GUARD BUREAU.

(a) ASSESSMENT REQUIRED.—The Comptroller General of the United States shall conduct an assessment on the purpose, structure, and effectiveness of the Office of Complex Investigations within the National Guard Bureau.

(b) ELEMENTS OF ASSESSMENT.—The assessment conducted under subsection (a) shall address the following:

(1) The purpose of the Office of Complex Investigations and the criteria used to determine which cases will be investigated by the office.
(2) The services provided by the Office of Complex Investigations.

(3) The authority under which the Office of Complex Investigations may investigate violations of State law.

(4) The structure of the Office of Complex Investigations, including—

(A) the number of individuals assigned, both permanently and temporarily, to the office;

(B) the organizational structure of the office; and

(C) the annual budget of the office, the source of funding, and the extent to which States are required to reimburse the Department of Defense for activities conducted by the office.

(5) The extent to which the investigations conducted by the Office of Complex Investigations could be conducted by another State or Federal entity.

(6) The policies governing the Office of Complex Investigations, and the extent to which the office adheres to these policies.

(7) The training provided to investigators and other employees of the Office of Complex Investigations.
(8) Any other matters the Comptroller General considers relevant to the assessment.

(c) REPORTING REQUIREMENT.—Not later than October 31, 2018, the Comptroller General shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report containing the results of the assessment conducted under subsection (a).

SEC. 578. MODIFICATION OF SUBMITTAL DATE OF COMPTROLLER GENERAL OF THE UNITED STATES REPORT ON INTEGRITY OF THE DEPARTMENT OF DEFENSE WHISTLEBLOWER PROGRAM.

Section 536(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2124) is amended by striking “18 months after the date of the enactment of this Act” and inserting “December 31, 2018”.

Subtitle I—Other Matters

SEC. 581. EXPANSION OF UNITED STATES AIR FORCE INSTITUTE OF TECHNOLOGY ENROLLMENT AUTHORITY TO INCLUDE CIVILIAN EMPLOYEES OF THE HOMELAND SECURITY INDUSTRY.

(a) DEFINITION.—Subsection (b) of section 9314a of title 10, United States Code, is amended to read as follows:
“(b) COVERED PRIVATE SECTOR EMPLOYEE DEFINED.—(1) In this section, the term ‘covered private sector employee’ means—

“(A) an individual employed by a private firm that is engaged in providing to the Department of Defense significant and substantial defense-related systems, products, or services; or

“(B) an individual employed by a private firm in one of the critical infrastructure sectors identified in Presidential Policy Directive 21 (Critical Infrastructure Security and Resilience).

“(2) A covered private sector employee admitted for instruction at the United States Air Force Institute of Technology remains eligible for such instruction only so long as the person remains employed by the same firm.”.

(b) USE OF DEFINED TERM.—Section 9314a of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) in paragraph (1)—

(i) by striking “defense industry employees described in subsection (b)” and inserting “a covered private sector employee”; and
(ii) by striking “Any such defense industry employee” and inserting “A covered private sector employee”; (B) in paragraph (2), by striking “defense industry employees” and inserting “covered private sector employees”; and (C) in paragraph (3), by striking “defense industry employee” both places it appears and inserting “covered private sector employee”; (2) in subsection (c)— (A) by striking “Defense industry employees” and inserting “A covered private sector employee”; and (B) by striking “defense industry employees” and inserting “covered private sector employees”; (3) in subsection (d)(1), by striking “defense industry employees” and inserting “a covered private sector employee”; and (4) in subsection (f), by striking “defense industry employees” and inserting “covered private sector employees”. (e) OTHER CONFORMING AMENDMENTS.—Section 9314a of title 10, United States Code, is further amended—
(1) in subsection (a)(1), by striking “a defense focused” and inserting “a defense-focused or homeland security-focused”; and

(2) in subsection (d)—

(A) in paragraph (1), by inserting “or homeland security” after “and defense”; and

(B) in paragraph (2), by inserting before the period at the end the following: “or the Department of Homeland Security, as applicable”.

(d) CLERICAL AMENDMENTS.—

(1) SECTION HEADING.—The heading of section 9314a of title 10, United States Code, is amended to read as follows:

“§ 9314a. United States Air Force Institute of Technology: admission of certain private sector civilians”.

(2) TABLE OF SECTIONS.—The table of sections at the beginning of chapter 901 of title 10, United States Code, is amended by striking the item relating to section 9314a and inserting the following new item:

“9314a. United States Air Force Institute of Technology: admission of certain private sector civilians.”.
SEC. 582. CONDITIONAL DESIGNATION OF EXPLOSIVE ORDNANCE DISPOSAL CORPS AS A BASIC BRANCH OF THE ARMY.

(a) CONDITIONAL DESIGNATION.—Subject to subsection (b), section 3063(a) of title 10, United States Code, is amended—

(1) in paragraph (12), by striking “and”;
(2) by redesignating paragraph (13) as paragraph (14); and
(3) by inserting after paragraph (12) the following new paragraph (13):

“(13) Explosive Ordnance Disposal Corps; and”.

(b) DELAYED EFFECTIVE DATE AND CONDITION ON EXECUTION.—

(1) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on October 1, 2020, but only if the report required by paragraph (2) is not submitted before that date as required by such paragraph.

(2) REPORTING REQUIREMENT.—Not later than September 30, 2020, the Secretary of the Army shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report containing certifications that the following actions have occurred as of that date:
(A) The defense budget materials display funding requirements for explosive ordnance disposal separately and a program of record is established and maintained for explosive ordnance disposal.

(B) A process has been established to ensure that, by not later than five years after the date of the enactment of this Act, there is, and will continue to be, at least one general officer in the Army qualified regarding issues involving explosive ordnance disposal to ensure officer professional development and upward mobility.

(C) The Ordnance Personnel Proponency Office is, and will continue to be, manned with an explosive ordnance disposal officer to oversee explosive ordnance disposal officer and enlisted personnel proponency.

(D) Explosive ordnance disposal officer education has been included in a basic officer leadership course, a captains career course, and a policy and planning course specific to explosive ordnance disposal as part of intermediate level education and pre-command courses.

(E) The office of the Army Deputy Chief of Staff, G8, and the office of the Army Deputy
Chief of Staff, G3, have, and will continue to be, manned with explosive ordnance disposal officers responsible for the decision management decision packages, ammunition organizational integration, and force modernization related to explosive ordnance disposal.

(F) The Army has established and maintained explosive ordnance disposal cells at the Army Forces Command, Army Service Component Commands, Army Special Operations Command, Army Training and Doctrine Command, and the Army Capability and Integration Center.

(3) NOTICE OF REPORT.—The Secretary of the Army shall notify the Law Revision Counsel of the House of Representatives of the submission of the report under paragraph (2) so that the Law Revision Counsel does not execute the amendments made by subsection (a).
SEC. 583. DESIGNATION OF OFFICE WITHIN OFFICE OF THE
SECRETARY OF DEFENSE TO OVERSEE USE
OF FOOD ASSISTANCE PROGRAMS BY MEM-
BERS OF THE ARMED FORCES ON ACTIVE
DUTY.

Not later than 90 days after the date of the enact-
ment of this Act, the Secretary of Defense shall designate
an office or official within the Office of the Secretary of
Defense for purposes as follows:

(1) To discharge responsibility for overseeing
the efforts of the Department of Defense to collect,
analyze, and monitor data on the use of food assist-
ance programs by members of the Armed Forces on
active duty.

(2) To establish and maintain relationships
with other departments and agencies of the Federal
Government to facilitate the discharge of the respon-
sibility specified in paragraph (1).

TITLE VI—COMPENSATION AND
OTHER PERSONNEL BENEFITS

Subtitle A—Pay and Allowances

Sec. 601. Annual adjustment of basic monthly pay.
Sec. 602. Prohibiting collection of additional amounts from members living in
units under Military Housing Privatization Initiative.
Sec. 603. Limitation on modification of payment authority for Military Housing
Privatization Initiative housing.
Sec. 604. Housing treatment for certain members of the Armed Forces, and
their spouses and other dependents, undergoing a permanent
change of station within the United States.
Sec. 605. Extension of authority to provide temporary increase in rates of basic
allowance for housing under certain circumstances.
Sec. 606. Reevaluation of BAH for the military housing area including Staten Island.

Subtitle B—Bonus and Special and Incentive Pays

Sec. 611. One-year extension of certain bonus and special pay authorities for reserve forces.
Sec. 612. One-year extension of certain bonus and special pay authorities for health care professionals.
Sec. 613. One-year extension of special pay and bonus authorities for nuclear officers.
Sec. 614. One-year extension of authorities relating to title 37 consolidated special pay, incentive pay, and bonus authorities.
Sec. 615. One-year extension of authorities relating to payment of other title 37 bonuses and special pays.
Sec. 616. Report regarding the national pilot shortage.
Sec. 617. Special aviation incentive pay and bonus authorities for enlisted members who operate remotely piloted aircraft.
Sec. 618. Technical and conforming amendments relating to 2008 consolidation of special pay authorities.

Subtitle C—Disability Pay, Retired Pay, and Survivor Benefits

Sec. 621. Permanent extension and cost-of-living adjustments of special survivor indemnity allowances under the Survivor Benefit Plan.
Sec. 622. Adjustments to Survivor Benefit Plan for members electing lump sum payments of retired pay under the modernized retirement system for members of the uniformed services.
Sec. 623. Technical correction regarding election to participate in modernized retirement system for reserve component members experiencing a break in service.
Sec. 624. Technical corrections to use of member’s current pay grade and years of service in a division of property involving disposable retired pay.
Sec. 625. Continuation pay for the Coast Guard.

Subtitle D—Other Matters

Sec. 631. Land conveyance authority, Army and Air Force Exchange Service property, Dallas, Texas.
Sec. 632. Authority for the Secretaries of the military departments to provide for care of remains of those who die on active duty and are interred in a foreign cemetery.
Sec. 633. Construction of domestic source requirement for footwear furnished to enlisted members of the Armed Forces on initial entry into the Armed Forces.
Sec. 634. Review and update of regulations governing debt collectors interactions with unit commanders of members of the Armed Forces.
Subtitle A—Pay and Allowances

SECTION 601. ANNUAL ADJUSTMENT OF BASIC MONTHLY PAY.

The adjustment in the rates of monthly basic pay required by subsection (a) of section 1009 of title 37, United States Code, to be made on January 1, 2018, shall take effect, notwithstanding any determination made by the President under subsection (e) of such section with respect to an alternative pay adjustment to be made on such date.

SEC. 602. PROHIBITING COLLECTION OF ADDITIONAL AMOUNTS FROM MEMBERS LIVING IN UNITS UNDER MILITARY HOUSING PRIVATIZATION INITIATIVE.

(a) PROHIBITION.—Subchapter IV of chapter 169 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 2886. Prohibiting collection of amounts in addition to rent from members assigned to units

“(a) PROHIBITION.—An agreement for acquiring or constructing a military family housing unit or military unaccompanied housing unit under this subchapter which is entered into between the Secretary and an eligible entity shall prohibit the entity from imposing on a member of the armed forces who occupies the unit a supplemental payment, such as an out-of-pocket fee, in addition to the
amount of rent the eligible entity charges for a unit of similar size and composition, without regard to whether or not the amount of the member’s basic allowance for housing is less than the amount of the rent.

“(b) Permitting Certain Additional Payments.—Nothing in this section shall be construed to prohibit an eligible entity from imposing an additional payment for optional services provided to residents, such as access to a gym or a parking space, or an additional payment for non-essential utility services, as determined in accordance with regulations promulgated by the Secretary.

“(c) No Effect on Rental Guarantees or Differential Lease Payments.—Nothing in this section shall be construed to limit or otherwise affect the authority of the Secretary to enter into rental guarantee agreements under section 2876 of this title or to make differential lease payments under section 2877 of this title, so long as such agreements or payments do not require a member of the armed forces who is assigned to a military family housing unit or military unaccompanied housing unit under this subchapter to pay an out-of-pocket fee or payment in addition to the member’s basic housing allowance.”
(b) CLERICAL AMENDMENT.—The table of sections for subchapter IV of chapter 169 of such title is amended by adding at the end the following new item:

```
2886. Prohibiting collection of amounts in addition to rent from members assigned to units.
```

SEC. 603. LIMITATION ON MODIFICATION OF PAYMENT AUTHORITY FOR MILITARY HOUSING PRIVATIZATION INITIATIVE HOUSING.

(a) IN GENERAL.—For each month during 2018, the Secretary of Defense shall pay to a lessor of covered housing 1 percent of the amount calculated under section 403(b)(3)(A)(i) of title 37, United States Code, for the area in which the covered housing exists.

(b) DEFINITION.—In this section, the term “covered housing” means a unit of housing—

(1) acquired or constructed under the alternative authority of subchapter IV of chapter 169 of title 10, United States Code (known as the Military Housing Privatization Initiative);

(2) that is leased to a member of a uniformed service who resides in such unit; and

(3) for which the lessor charges such member rent that equals or exceeds the amount calculated under section 403(b)(3)(A) of title 37, United States Code.
(c) GAO Review.—Not later than March 1, 2018, the Comptroller General of the United States shall submit to the Committees on Armed Services of the House of Representatives and the Senate a review of the following:

(1) The management of the Military Housing Privatization Initiative to date.

(2) Plans for the Military Housing Privatization Initiative after March 1, 2018.

(3) The viability of the Military Housing Privatization Initiative after March 1, 2018.

(4) Alternatives to the Military Housing Privatization Initiative.

SEC. 604. HOUSING TREATMENT FOR CERTAIN MEMBERS OF THE ARMED FORCES, AND THEIR SPOUSES AND OTHER DEPENDENTS, UNDERGOING A PERMANENT CHANGE OF STATION WITHIN THE UNITED STATES.

(a) Housing Treatment.—

(1) In general.—Chapter 7 of title 37, United States Code, is amended by inserting after section 403 the following new section:
§ 403a. Housing treatment for certain members of the armed forces, and their spouses and other dependents, undergoing a permanent change of station within the United States

“(a) Housing Treatment for Certain Members Who Have a Spouse or Other Dependents.—

“(1) Housing treatment regulations.—

The Secretary of Defense shall prescribe regulations that permit a member of the armed forces described in paragraph (2) who is undergoing a permanent change of station within the United States to request the housing treatment described in subsection (b) during the covered relocation period of the member.

“(2) Eligible members.—A member described in this paragraph is any member who—

“(A) has a spouse who is gainfully employed or enrolled in a degree, certificate or license granting program at the beginning of the covered relocation period;

“(B) has one or more dependents attending an elementary or secondary school at the beginning of the covered relocation period;

“(C) has one or more dependents enrolled in the Exceptional Family Member Program; or
“(D) is caring for an immediate family member with a chronic or long-term illness at the beginning of the covered relocation period.

“(b) HOUSING TREATMENT.—

“(1) Continuation of housing for the spouse and other dependents.—If a spouse or other dependent of a member whose request under subsection (a) is approved resides in Government-owned or Government-leased housing at the beginning of the covered relocation period, the spouse or other dependent may continue to reside in such housing during a period determined in accordance with the regulations prescribed pursuant to this section.

“(2) Early housing eligibility.—If a spouse or other dependent of a member whose request under subsection (a) is approved is eligible to reside in Government-owned or Government-leased housing following the member’s permanent change of station within the United States, the spouse or other dependent may commence residing in such housing at any time during the covered relocation period.

“(3) Temporary use of Government-owned or Government-leased housing intended for
MEMBERS WITHOUT A SPOUSE OR DEPENDENT.—If a spouse or other dependent of a member relocates at a time different from the member in accordance with a request approved under subsection (a), the member may be assigned to Government-owned or Government-leased housing intended for the permanent housing of members without a spouse or dependent until the member’s detachment date or the spouse or other dependent’s arrival date, but only if such Government-owned or Government-leased housing is available without displacing a member without a spouse or dependent at such housing.

“(4) EQUITABLE BASIC ALLOWANCE FOR HOUSING.—If a spouse or other dependent of a member relocates at a time different from the member in accordance with a request approved under subsection (a), the amount of basic allowance for housing payable may be based on whichever of the following areas the Secretary concerned determines to be the most equitable:

“(A) The area of the duty station to which the member is reassigned.

“(B) The area in which the spouse or other dependent resides, but only if the spouse or other dependent resides in that area when
the member departs for the duty station to which the member is reassigned, and only for the period during which the spouse or other dependent resides in that area.

“(C) The area of the former duty station of the member, but only if that area is different from the area in which the spouse or other dependent resides.

“(e) Rule of Construction Related to Certain Basic Allowance for Housing Payments.—Nothing in this section shall be construed to limit the payment or the amount of basic allowance for housing payable under section 403(d)(3)(A) of this title to a member whose request under subsection (a) is approved.

“(d) Housing Treatment Education.—The regulations prescribed pursuant to this section shall ensure the relocation assistance programs under section 1056 of title 10 include, as part of the assistance normally provided under such section, education about the housing treatment available under this section.

“(e) Definitions.—In this section:

“(1) Covered Relocation Period.—(A) Subject to subparagraph (B), the term ‘covered relocation period’, when used with respect to a permanent
change of station of a member of the armed forces, means the period that—

“(i) begins 180 days before the date of the permanent change of station; and

“(ii) ends 180 days after the date of the permanent change of station.

“(B) The regulations prescribed pursuant to this section may provide for a shortening or lengthening of the covered relocation period of a member for purposes of this section.

“(2) DEPENDENT.—The term ‘dependent’ has the meaning given that term in section 401 of this title.

“(3) PERMANENT CHANGE OF STATION.—The term ‘permanent change of station’ means a permanent change of station described in section 452(b)(2) of this title.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 7 such title is amended by inserting after the item relating to section 403 the following new item:

“403a. Housing treatment for certain members of the armed forces, and their spouses and other dependents, undergoing a permanent change of station within the United States.”.

(b) EFFECTIVE DATE.—The amendments made by this section shall take effect on October 1, 2018.
SEC. 605. EXTENSION OF AUTHORITY TO PROVIDE TEMPORARY INCREASE IN RATES OF BASIC ALLOWANCE FOR HOUSING UNDER CERTAIN CIRCUMSTANCES.

Section 403(b)(7)(E) of title 37, United States Code, is amended by striking “December 31, 2017” and inserting “December 31, 2018”.

SEC. 606. REEVALUATION OF BAH FOR THE MILITARY HOUSING AREA INCLUDING STATEN ISLAND.

Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense, using the most recent data available to the Secretary, shall reevaluate the basic housing allowance prescribed under section 403(b) of title 37, United States Code, for the military housing area that includes Staten Island, New York.

Subtitle B—Bonus and Special and Incentive Pays

SEC. 611. ONE-YEAR EXTENSION OF CERTAIN BONUS AND SPECIAL PAY AUTHORITIES FOR RESERVE FORCES.

The following sections of title 37, United States Code, are amended by striking “December 31, 2017” and inserting “December 31, 2018”:

(1) Section 308b(g), relating to Selected Reserve reenlistment bonus.
(2) Section 308c(i), relating to Selected Reserve affiliation or enlistment bonus.

(3) Section 308d(c), relating to special pay for enlisted members assigned to certain high-priority units.

(4) Section 308g(f)(2), relating to Ready Reserve enlistment bonus for persons without prior service.

(5) Section 308h(e), relating to Ready Reserve enlistment and reenlistment bonus for persons with prior service.

(6) Section 308i(f), relating to Selected Reserve enlistment and reenlistment bonus for persons with prior service.

(7) Section 478a(e), relating to reimbursement of travel expenses for inactive-duty training outside of normal commuting distance.

(8) Section 910(g), relating to income replacement payments for reserve component members experiencing extended and frequent mobilization for active duty service.
SEC. 612. ONE-YEAR EXTENSION OF CERTAIN BONUS AND
SPECIAL PAY AUTHORITIES FOR HEALTH
CARE PROFESSIONALS.

(a) TITLE 10 AUTHORITIES.—The following sections
of title 10, United States Code, are amended by striking
“December 31, 2017” and inserting “December 31,
2018”:

(1) Section 2130a(a)(1), relating to nurse offi-
cer candidate accession program.

(2) Section 16302(d), relating to repayment of
education loans for certain health professionals who
serve in the Selected Reserve.

(b) TITLE 37 AUTHORITIES.—The following sections
of title 37, United States Code, are amended by striking
“December 31, 2017” and inserting “December 31,
2018”:

(1) Section 302c-1(f), relating to accession and
retention bonuses for psychologists.

(2) Section 302d(a)(1), relating to accession
bonus for registered nurses.

(3) Section 302e(a)(1), relating to incentive
special pay for nurse anesthetists.

(4) Section 302g(e), relating to special pay for
Selected Reserve health professionals in critically
short wartime specialties.
(5) Section 302h(a)(1), relating to accession bonus for dental officers.

(6) Section 302j(a), relating to accession bonus for pharmacy officers.

(7) Section 302k(f), relating to accession bonus for medical officers in critically short wartime specialties.

(8) Section 302l(g), relating to accession bonus for dental specialist officers in critically short wartime specialties.

SEC. 613. ONE-YEAR EXTENSION OF SPECIAL PAY AND BONUS AUTHORITIES FOR NUCLEAR OFFICERS.

The following sections of title 37, United States Code, are amended by striking “December 31, 2017” and inserting “December 31, 2018”:

(1) Section 312(f), relating to special pay for nuclear-qualified officers extending period of active service.

(2) Section 312b(c), relating to nuclear career accession bonus.

(3) Section 312c(d), relating to nuclear career annual incentive bonus.
SEC. 614. ONE-YEAR EXTENSION OF AUTHORITIES RELATING TO TITLE 37 CONSOLIDATED SPECIAL PAY, INCENTIVE PAY, AND BONUS AUTHORITIES.

The following sections of title 37, United States Code, are amended by striking “December 31, 2017” and inserting “December 31, 2018”:

(1) Section 331(h), relating to general bonus authority for enlisted members.

(2) Section 332(g), relating to general bonus authority for officers.

(3) Section 333(i), relating to special bonus and incentive pay authorities for nuclear officers.

(4) Section 334(i), relating to special aviation incentive pay and bonus authorities for officers.

(5) Section 335(k), relating to special bonus and incentive pay authorities for officers in health professions.

(6) Section 336(g), relating to contracting bonus for cadets and midshipmen enrolled in the Senior Reserve Officers’ Training Corps.

(7) Section 351(h), relating to hazardous duty pay.

(8) Section 352(g), relating to assignment pay or special duty pay.
(9) Section 353(i), relating to skill incentive pay or proficiency bonus.

(10) Section 355(h), relating to retention incentives for members qualified in critical military skills or assigned to high priority units.

SEC. 615. ONE-YEAR EXTENSION OF AUTHORITIES RELATING TO PAYMENT OF OTHER TITLE 37 BONUSES AND SPECIAL PAYS.

The following sections of title 37, United States Code, are amended by striking “December 31, 2017” and inserting “December 31, 2018”:

(1) Section 301b(a), relating to aviation officer retention bonus.

(2) Section 307a(g), relating to assignment incentive pay.

(3) Section 308(g), relating to reenlistment bonus for active members.

(4) Section 309(e), relating to enlistment bonus.

(5) Section 316a(g), relating to incentive pay for members of precommissioning programs pursuing foreign language proficiency.

(6) Section 324(g), relating to accession bonus for new officers in critical skills.
(7) Section 326(g), relating to incentive bonus for conversion to military occupational specialty to ease personnel shortage.

(8) Section 327(h), relating to incentive bonus for transfer between Armed Forces.

(9) Section 330(f), relating to accession bonus for officer candidates.

SEC. 616. REPORT REGARDING THE NATIONAL PILOT SHORTAGE.

(a) IN GENERAL.—Not later than April 30, 2018, the Comptroller General of the United States shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report regarding the extent of the national pilot shortage and the impact that such shortage has on the ability of the Department of Defense to retain pilots.

(b) ELEMENTS.—The report under subsection (a) shall include assessments of the following:

(1) The severity of the national pilot shortage, including which of the following are most acutely affected by such shortage—

(A) geographic areas of the United States;

and

(B) sectors of the commercial aviation industry;
(2) Compensation practices within the commercial aviation industry, including whether and how such practices affect the ability of the Department of Defense to retain pilots.

(3) The annual business case of the Secretary of the Air Force for aviation bonus payments under section 334(c)(2) of title 37, United States Code, specifically—

(A) whether the business case meets the requirements under such section of title 37;

(B) whether the business case justifies the bonus amount for each aircraft type category; and

(C) whether projections indicate that the business case will reduce the pilot shortage, and, if so, how quickly for each aircraft type category.

(4) Non-monetary incentives the Secretary of the Air Force has used to retain pilots.

(5) Other incentives available under current law and policies of the Department of Defense to increase retention of pilots.

(6) Such other matters as the Comptroller General considers appropriate.
SEC. 617. SPECIAL AVIATION INCENTIVE PAY AND BONUS AUTHORITIES FOR ENLISTED MEMBERS WHO OPERATE REMOTELY PILOTED AIRCRAFT.

(a) In general.—Chapter 5 of title 37, United States Code, is amended by inserting after section 334 the following new section:

“§ 334a. Special aviation incentive pay and bonus authorities: enlisted members who operate remotely piloted aircraft

“(a) Aviation Incentive Pay.—

“(1) Incentive pay authorized.—The Secretary concerned may pay aviation incentive pay under this section to an enlisted member in a regular or reserve component of a uniformed service who—

“(A) is entitled to basic pay under section 204 of this title or compensation under 206 of this title;

“(B) is designated as a remotely piloted aircraft pilot, or is in training leading to such a designation;

“(C) engages in, or is in training leading to, frequent and regular performance of operational flying duty or proficiency flying duty;

“(D) engages in or remains in aviation service for a specified period; and
“(E) meets such other criteria as the Secretary concerned determines appropriate.

“(2) Enlisted members not currently engaged in flying duty.—The Secretary concerned may pay aviation incentive pay under this section to an enlisted member who is otherwise qualified for such pay but who is not currently engaged in the performance of operational flying duty or proficiency flying duty if the Secretary determines, under regulations prescribed under section 374 of this title, that payment of aviation pay to that enlisted member is in the best interests of the service.

“(b) Aviation bonus.—The Secretary concerned may pay an aviation bonus under this section to an enlisted member in a regular or reserve component of a uniformed service who—

“(1) is entitled to aviation incentive pay under subsection (a);

“(2) is within one year of completing the enlistment of the member;

“(3) reenlists or voluntarily extends the enlistment of the member—

“(A) for a period of at least one year; or
“(B) in the case of an enlisted member serving pursuant to an indefinite reenlistment, executes a written agreement—

“(i) to remain on active duty for a period of at least one year; or

“(ii) to remain in an active status in a reserve component for a period of at least one year; and

“(4) meets such other criteria as the Secretary concerned determines appropriate.

“(c) Maximum Amount and Method of Payment.—

“(1) Maximum Amount.—The Secretary concerned shall determine the amount of a bonus or incentive pay to be paid under this section, except that—

“(A) aviation incentive pay under subsection (a) shall be paid at a monthly rate not to exceed $1,000 per month; and

“(B) an aviation bonus under subsection (b) may not exceed $35,000 for each 12-month period of obligated service agreed to under subsection (d).

“(2) Lump Sum or Installments.—A bonus under this section may be paid in a lump sum or in
periodic installments, as determined by the Secretary concerned.

“(3) **FIXING BONUS AMOUNT.**—Upon acceptance by the Secretary concerned of the written agreement required by subsection (d), the total amount of the bonus to be paid under the agreement shall be fixed.

“(d) **WRITTEN AGREEMENT FOR BONUS.**—To receive an aviation bonus under this section, an enlisted member determined to be eligible for the bonus shall enter into a written agreement with the Secretary concerned that specifies—

“(1) the amount of the bonus;

“(2) the method of payment of the bonus under subsection (c)(2);

“(3) the period of obligated service; and

“(4) the type or conditions of the service.

“(e) **RESERVE COMPONENT ENLISTED MEMBERS PERFORMING INACTIVE DUTY TRAINING.**—An enlisted member of reserve component who is entitled to compensation under section 206 of this title and who is authorized aviation incentive pay under this section may be paid an amount of incentive pay that is proportionate to the compensation received under section 206 of this title for inactive-duty training.
“(f) Relationship to Other Pay and Allowances.—

“(1) Aviation Incentive Pay.—Aviation incentive pay paid to an enlisted member under subsection (a) shall be in addition to any other pay and allowance to which the enlisted member is entitled, except that an enlisted member may not receive a payment under such subsection and section 351(a)(2) or 353(a) of this title for the same skill and period of service.

“(2) Aviation Bonus.—An aviation bonus paid to an enlisted member under subsection (b) shall be in addition to any other pay and allowance to which the enlisted member is entitled, except that an enlisted member may not receive a bonus payment under such subsection and section 331 or 353(b) of this title for the same skill and period of service.

“(g) Repayment.—An enlisted member who receives aviation incentive pay or an aviation bonus under this section and who fails to fulfill the eligibility requirements for the receipt of the incentive pay or bonus or complete the period of service for which the incentive pay or bonus is paid, as specified in the written agreement under sub-
section (d) in the case of a bonus, shall be subject to the repayment provisions of section 373 of this title.

“(h) DEFINITIONS.—In this section:

“(1) AVIATION SERVICE.—The term ‘aviation service’ means participation in aerial flight performed, under regulations prescribed by the Secretary concerned, by an eligible enlisted member who is a remotely piloted aircraft pilot.

“(2) OPERATIONAL FLYING DUTY.—The term ‘operational flying duty’ means flying performed under competent orders by enlisted members of the regular or reserve components while serving in assignments in which basic flying skills are normally maintained in the performance of assigned duties as determined by the Secretary concerned, and flying duty performed by members in training that leads to designation as a remotely piloted aircraft pilot by the Secretary concerned.

“(3) PROFICIENCY FLYING DUTY.—The term ‘proficiency flying duty’ means flying performed under competent orders by enlisted members of the regular or reserve components while serving in assignments in which such skills would normally not be maintained in the performance of assigned duties.
“(i) TERMINATION OF AUTHORITY.—No agreement may be entered into under this section after December 31, 2018.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 5 of such title is amended by inserting after the item relating to section 334 the following new item:

“334a. Special aviation incentive pay and bonus authorities: enlisted members who operate remotely piloted aircraft.”.

SEC. 618. TECHNICAL AND CONFORMING AMENDMENTS RELATING TO 2008 CONSOLIDATION OF SPECIAL PAY AUTHORITIES.

(a) REPAYMENT PROVISIONS.—

(1) TITLE 10.—The following provisions of title 10, United States Code, are each amended by inserting “or 373” before “of title 37”:

(A) Section 510(i).

(B) Subsections (a)(3) and (e) of section 2005.

(C) Paragraphs (1) and (2) of section 2007(e).

(D) Section 2105.

(E) Section 2123(e)(1)(C).

(F) Section 2128(e).

(G) Section 2130a(d).

(H) Section 2171(g).
(J) Paragraphs (1) and (2) of section 2200a(e).

(K) Section 4348(f).

(L) Section 6959(f).

(M) Section 9348(f).

(N) Subsections (a)(2) and (b) of section 16135.

(O) Section 16203(a)(1)(B).

(P) Section 16301(h).

(Q) Section 16303(d).

(R) Paragraphs (1) and (2) of section 16401(f).

(2) TITLE 14.—Section 182(g) of title 14, United States Code, is amended by inserting “or 373” before “of title 37”.

(b) OFFICERS APPOINTED PURSUANT TO AN AGREEMENT UNDER SECTION 329 OF TITLE 37.—Section 641 of title 10, United States Code, is amended by striking paragraph (6).

(c) REENLISTMENT LEAVE.—The matter preceding paragraph (1) of section 703(b) of title 10, United States Code, is amended by inserting “or paragraph (1) or (3) of section 351(a)” after “section 310(a)(2)”. 
(d) Rest and Recuperation Absence for Qualified Members Extending Duty at Designated Location Overseas.—The matter following paragraph (4) of section 705(a) of title 10, United States Code, is amended by inserting “or 352” after “section 314”.

(e) Rest and Recuperation Absence for Certain Members Undergoing Extended Deployment to Combat Zone.—Section 705a(b)(1)(B) of title 10, United States Code, is amended by inserting “or 352(a)” after “section 305”.

(f) Additional Incentives for Health Professionals of the Indian Health Service.—Section 116(a) of the Indian Health Care Improvement Act (25 U.S.C. 1616i(a)) is amended by inserting “or 335(b)” after “section 302(b)”.

(g) Military Pay and Allowances Continuance While in a Missing Status.—Section 552(a)(2) of title 37, United States Code, is amended by inserting “or section 351(a)(2)” after “section 301”.

(h) Military Pay and Allowances.—Section 907(d) of title 37, United States Code, is amended—

(1) in paragraph (1)—

(A) in subparagraph (A), by inserting “or 351” after “section 301”;
(B) in subparagraph (B), by inserting “or 352” after “section 301e”;  

(C) in subparagraph (C), by inserting “or 353(a)” after “section 304”;  

(D) in subparagraph (D), by inserting “or 352” after “section 305”;  

(E) in subparagraph (E), by inserting “or 352” after “section 305a”;  

(F) in subparagraph (F), by inserting “or 352” after “section 305b”;  

(G) in subparagraph (G), by inserting “or 352” after “section 307a”;  

(H) in subparagraph (I), by inserting “or 352” after “section 314”;  

(I) in subparagraph (J), by striking “316” and inserting “353(b)”; and  

(J) in subparagraph (K), by striking “323” and inserting “section 355”; and

(2) in paragraph (2)—

(A) in subparagraph (A), by inserting “or 352” after “section 307”;  

(B) in subparagraph (B), by striking “308” and inserting “331”;  

(C) in subparagraph (C), by striking “309” and inserting “331”; and
(D) in subparagraph (D), by inserting “or 353” after “section 320”.

(i) **Pay and Allowances of Officers of the Public Health Service.**—Section 208(a)(2) of the Public Health Service Act (42 U.S.C. 210(a)(2)) is amended by inserting “or 373” after “303a(b)”.

**Subtitle C—Disability Pay, Retired Pay, and Survivor Benefits**

**SEC. 621. Permanent Extension and Cost-of-Living Adjustments of Special Survivor Indemnity Allowances Under the Survivor Benefit Plan.**

Section 1450(m) of title 10, United States Code, is amended—

(1) in paragraph (2)—

(A) in subparagraph (H), by striking “and” at the end; and

(B) by striking subparagraph (I) and inserting the following new subparagraphs:

“(I) for months from October 2016 through December 2018, $310; and

“(J) for months during any calendar year after 2018, the amount determined in accordance with paragraph (6).”; and
(2) by striking paragraph (6) and inserting the following new paragraph (6):

“(6) Cost-of-living adjustments after 2018.—

“(A) In general.—The amount of the allowance payable under paragraph (1) for months during any calendar year beginning after 2018 shall be—

“(i) the amount payable pursuant to paragraph (2) for months during the preceding calendar year, plus

“(ii) an amount equal to the percentage of the amount determined pursuant to clause (i) which percentage is equal to the percentage increase in retired pay of members and former members of the armed forces for such calendar year under section 1401a of this title.

“(B) Public notice on amount of allowance payable.—The Secretary of Defense shall publish in the Federal Register each year the amount of the allowance payable under paragraph (1) for months in such year by reason of the operation of this paragraph.”.
SEC. 622. ADJUSTMENTS TO SURVIVOR BENEFIT PLAN FOR MEMBERS ELECTING LUMP SUM PAYMENTS OF RETIRED PAY UNDER THE MODERNIZED RETIREMENT SYSTEM FOR MEMBERS OF THE UNIFORMED SERVICES.

(a) Definition of Base Amount.—Section 1447(6)(A) of title 10, United States Code, is amended in the matter preceding clause (i) by inserting “or 1415(b)(1)(B)” after “section 1409(b)(2)”.

(b) Coordination With Reductions in Retired Pay.—Section 1452 of such title is amended—

(1) in subsection (a)(1), by inserting “, other than retired pay received as a lump sum under section 1415(b)(1)(A) of this title,” in the matter preceding subparagraph (A) after “, the retired pay”;

(2) in subsection (b)(1), by inserting “, other than retired pay received as a lump sum under section 1415(b)(1)(A) of this title,” after “The retired pay”; and

(3) in subsection (e)—

(A) in paragraph (1), by inserting “, other than retired pay received as a lump sum under section 1415(b)(1)(A) of this title,” after “The retired pay”; and

(B) in paragraph (4), by inserting “or 1415(b)(1)(B)” after “section 1409(b)(2)”. 

SEC. 623. TECHNICAL CORRECTION REGARDING ELECTION TO PARTICIPATE IN MODERNIZED RETIREMENT SYSTEM FOR RESERVE COMPONENT MEMBERS EXPERIENCING A BREAK IN SERVICE.

(a) Persons Experiencing a Break in Service.—Section 12739(f)(2)(B)(iii) of title 10, United States Code, is amended by striking “on the date of the reentry” and inserting “within 30 days after the date of the reentry”.

(b) Effective Date.—The amendment made by subsection (a) shall take effect on January 1, 2018, immediately after the coming into effect of the amendment made by section 631(b) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 843), to which the amendment made by subsection (a) relates.

SEC. 624. TECHNICAL CORRECTIONS TO USE OF MEMBER’S CURRENT PAY GRADE AND YEARS OF SERVICE IN A DIVISION OF PROPERTY INVOLVING DISPOSABLE RETIRED PAY.

(a) In General.—Section 1408 of title 10, United States Code, is amended—

(1) in subsection (a)(4)—
(A) in the matter preceding clause (i) of paragraph (A), by striking “(as determined pursuant to subparagraph (B))”; and

(B) by striking subparagraph (B) and inserting the following new subparagraph (B):

“(B) For purposes of subparagraph (A), in the case of a division of property as part of a final decree of divorce, dissolution, annulment, or legal separation that becomes final prior to the date of a member’s retirement, the total monthly retired pay to which the member is entitled shall be—

“(i) in the case of a member not described in clause (ii), the amount of retired pay to which the member would have been entitled using the member’s retired pay base and years of service on the date of the decree of divorce, dissolution, annulment, or legal separation, as computed under section 1406 or 1407 of this title, whichever is applicable, increased by the sum of the cost-of-living adjustments that—

“(I) would have occurred under section 1401a(b) of this title between the date of the decree of divorce, dissolution, annulment, or legal separation and the time of the member’s retirement using the adjust-
ment provisions under section 1401a of this title applicable to the member upon retirement; and

“(II) occur under 1401a of this title after the member’s retirement; or

“(ii) in the case of a member who becomes entitled to retired pay pursuant to chapter 1223 of this title, the amount of retired pay to which the member would have been entitled using the member’s retired pay base and creditable service points on the date of the decree of divorce, dissolution, annulment, or legal separation, as computer under chapter 1223 of this title, increased by the sum of the cost-of-living adjustments as described in clause (i) that apply with respect to the member.”; and

(2) in subsection (d), by adding at the end the following new paragraph:

“(8) A division of property award computed as a percentage of a member’s disposable retired pay shall be increased by the same percentage as any cost-of-living adjustment made under section 1401a after the member’s retirement.”.

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on December 23, 2016, as
if enacted immediately following the enactment of the Na-
tional Defense Authorization Act for Fiscal Year 2017 
(Public Law 114–328) to which such amendments relate.

(c) APPLICABILITY.—The amendments made by sub-
section (a) shall apply with respect to any division of prop-
erty as part of a final decree of divorce, dissolution, annul-
ment, or legal separation involving a member of the Armed 
Forces to which section 1408 of title 10, United States 
Code, applies that becomes final after December 23, 2016.

SEC. 625. CONTINUATION PAY FOR THE COAST GUARD.

For providing continuation pay for the United States 
Coast Guard under section 356 of title 37, United States 
Code, funds are hereby authorized to be appropriated for 
fiscal year 2018 in the amount of $3,286,277.

Subtitle D—Other Matters

SEC. 631. LAND CONVEYANCE AUTHORITY, ARMY AND AIR 
FORCE EXCHANGE SERVICE PROPERTY, DAL-
LAS, TEXAS.

(a) CONVEYANCE AUTHORIZED.—The Army and Air 
Force Exchange Service may convey, by sale, exchange, 
or a combination thereof, all right, title, and interest of 
the United States in and to a parcel of real property, in-
cluding improvements thereon, that—

(1) is located at 8901 Autobahn Drive in Dal-
las, Texas; and
(2) was purchased using nonappropriated funds of the Army and Air Force Exchange Service.

(b) Consideration.—

(1) In General.—Consideration for the real property conveyed under subsection (a) shall be at least equal to the fair market value of the property, as determined by the Army and Air Force Exchange Service.

(2) Treatment of Cash Consideration.—Notwithstanding section 574 of title 40, United States Code, any cash consideration received from the conveyance of the property under subsection (a) may be retained by the Army and Air Force Exchange Service because the property was acquired using nonappropriated funds.

(e) Description of Property.—The exact acreage and legal description of the real property to be conveyed under subsection (a) shall be determined by a survey satisfactory to the Army and Air Force Exchange Service. The recipient of the property shall be required to cover the cost of the survey.

(d) Additional Terms and Conditions.—The Army and Air Force Exchange Service may require such additional terms and conditions in connection with the conveyance under subsection (a) as the Army and Air
Force Exchange Service considers appropriate to protect the interests of the United States.

(c) INAPPLICABILITY OF CERTAIN PROVISIONS OF LAW.—Section 2696 of title 10, United States Code, shall not apply to a conveyance of property under this section.

SEC. 632. AUTHORITY FOR THE SECRETARIES OF THE MILITARY DEPARTMENTS TO PROVIDE FOR CARE OF REMAINS OF THOSE WHO DIE ON ACTIVE DUTY AND ARE INTERRED IN A FOREIGN CEMETERY.

Section 1482(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(10) In the case of a decedent under the jurisdiction of a Secretary of a military department at the time of death, enduring care of remains interred in a foreign cemetery if the burial location was designated by such Secretary.”.
SEC. 633. CONSTRUCTION OF DOMESTIC SOURCE REQUIREMENT FOR FOOTWEAR FURNISHED TO ENLISTED MEMBERS OF THE ARMED FORCES ON INITIAL ENTRY INTO THE ARMED FORCES.

Section 418(d) of title 37, United States Code, is amended by adding at the end the following new paragraphs:

“(4) This subsection does not apply to the furnishing of athletic footwear to members of the Army, the Navy, the Air Force, or the Marine Corps upon their initial entry into the armed forces, or prohibit the provision of a cash allowance to such members for such purpose, if the Secretary of Defense determines that compliance with paragraph (2) would result in a sole source contract for procurement of athletic footwear for the purpose stated in paragraph (1) because there would be only a sole certified source of supply for such footwear.

“(5) The Secretary of Defense shall ensure that all procurements of athletic footwear to which this subsection applies are made using firm fixed price contracts.”.
SEC. 634. REVIEW AND UPDATE OF REGULATIONS GOV-
ERNING DEBT COLLECTORS INTERACTIONS
WITH UNIT COMMANDERS OF MEMBERS OF
THE ARMED FORCES.

Not later than 180 days after the date of the enact-
ment of this Act, the Secretary of Defense shall review
and update Department of Defense Directive 1344.09 and
any associated regulations to ensure that such regulations
comply with Federal consumer protection laws with re-
spect to the collection of debt.

TITLE VII—HEALTH CARE
PROVISIONS

Subtitle A—TRICARE and Other Health Care Benefits

Sec. 701. Continued access to medical care at facilities of the uniformed serv-
ices for certain members of the reserve components.
Sec. 702. Modifications of cost-sharing requirements for the TRICARE Phar-
macy Benefits Program and treatment of certain pharmaco-
tical agents.
Sec. 703. Provision of hyperbaric oxygen therapy for certain members of the
Armed Forces.
Sec. 704. Specification that individuals under the age of 21 are eligible for hos-
pice care services under the TRICARE program.
Sec. 705. Physical examinations for members of a reserve component who are
separating from the Armed Forces.
Sec. 706. Mental health assessments before members separate from the Armed
Forces.
Sec. 707. Expansion of sexual trauma counseling and treatment for members
of the reserve components.
Sec. 708. Expedited evaluation and treatment for prenatal surgery under the
TRICARE program.

Subtitle B—Health Care Administration

Sec. 711. Maintenance of inpatient capabilities of military medical treatment
facilities located outside the United States.
Sec. 712. Modification of priority for evaluation and treatment of individuals at
military treatment facilities.
Sec. 713. Clarification of administration of military medical treatment facilities.
Sec. 714. Regular update of prescription drug pricing standard under
TRICARE retail pharmacy program.
Sec. 715. Modification of execution of TRICARE contracting responsibilities.
Sec. 716. Additional emergency uses for medical products to reduce deaths and severity of injuries caused by agents of war.

Sec. 717. Modification of determination of average wait times at urgent care clinics and pharmacies at military medical treatment facilities under pilot program.

Sec. 718. Requirement for reimbursement by Department of Defense to entities carrying out State vaccination programs for costs of vaccines provided to covered beneficiaries.

Sec. 719. Extension of authority for Joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund.

Sec. 720. Residency requirements for podiatrists.

Sec. 721. Authorization of physical therapist assistants and occupational therapy assistants to provide services under the TRICARE program.

Sec. 722. Selection of military commanders and directors of military medical treatment facilities.

Subtitle C—Reports and Other Matters

Sec. 731. Pilot program on health care assistance system.

Sec. 732. Feasibility study on conduct of pilot program on mental health readiness of part-time members of the reserve components of the Armed Forces.

Sec. 733. Report on plan to improve pediatric care and related services for children of members of the Armed Forces.

Sec. 734. Longitudinal medical study on blast pressure exposure of members of the Armed Forces.

Sec. 735. Study on safe opioid prescribing practices.

Sec. 736. Report on implementation of GAO recommendations.

Sec. 737. Declassification by Department of Defense of certain incidents of exposure of members of the Armed Forces to toxic substances.

Sec. 738. Coordination by Veterans Health Administration of efforts to understand effects of burn pits.

Sec. 739. TRICARE technical amendments.

Subtitle A—TRICARE and Other Health Care Benefits

SEC. 701. CONTINUED ACCESS TO MEDICAL CARE AT FACILITIES OF THE UNIFORMED SERVICES FOR CERTAIN MEMBERS OF THE RESERVE COMPONENTS.

(a) TRICARE Reserve Select.—Paragraph (2) of section 1076d(f) of title 10, United States Code, is amended to read as follows:
“(2) The term ‘TRICARE Reserve Select’ means—

“(A) medical care at facilities of the uniformed services to which a dependent described in section 1076(a)(2) of this title is entitled; and

“(B) health benefits under the TRICARE Select self-managed, preferred provider network option under section 1075 of this title made available to beneficiaries by reason of this section and subject to the cost-sharing requirements set forth in such section 1075.”.

(b) TRICARE RETIRED RESERVE.—Section 1076e is amended—

(1) In subsection (b), in the subsection heading, by striking “RETIRED RESERVE”;

(2) In subsection (c), by striking “Retired Reserve” the last place it appears; and

(3) in subsection (f), by striking paragraph (2) and inserting the following:

“(2) The term ‘TRICARE Retired Reserve’ means—

“(A) medical care at facilities of the uniformed services to which a dependent described
in section 1076(a)(2) of this title is entitled;

and

“(B) health benefits under the TRICARE Select self-managed, preferred provider network option under section 1075 of this title made available to beneficiaries by reason of this section and subject to the cost-sharing requirements set forth in such section 1075.”.

SEC. 702. MODIFICATIONS OF COST-SHARING REQUIREMENTS FOR THE TRICARE PHARMACY BENEFITS PROGRAM AND TREATMENT OF CERTAIN PHARMACEUTICAL AGENTS.

(a) In general.—Paragraph (6) of section 1074g(a) of title 10, United States Code, is amended to read as follows:

“(6)(A) In the case of any of the years 2018 through 2027, the cost-sharing amounts under this subsection for eligible covered beneficiaries shall be determined in accordance with the following table:

<table>
<thead>
<tr>
<th>Year</th>
<th>Retail Generic 30-day Supply</th>
<th>Retail Formulary 30-day Supply</th>
<th>Mail Order Generic 90-day Supply</th>
<th>Mail Order Formulary 90-day Supply</th>
<th>Mail Order Non-Formulary 90-day Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>$11</td>
<td>$28</td>
<td>$7</td>
<td>$24</td>
<td>$53</td>
</tr>
<tr>
<td>2019</td>
<td>$11</td>
<td>$28</td>
<td>$7</td>
<td>$24</td>
<td>$53</td>
</tr>
<tr>
<td>2020</td>
<td>$13</td>
<td>$33</td>
<td>$10</td>
<td>$29</td>
<td>$60</td>
</tr>
<tr>
<td>2021</td>
<td>$13</td>
<td>$33</td>
<td>$10</td>
<td>$29</td>
<td>$60</td>
</tr>
</tbody>
</table>
The cost-sharing amounts for a 30-day supply of a retail generic is:

<table>
<thead>
<tr>
<th>Year</th>
<th>Retail Generic</th>
<th>Mail Order Formulary</th>
<th>Mail Order Non-Formulary</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>$14</td>
<td>$38</td>
<td>$12</td>
</tr>
<tr>
<td>2023</td>
<td>$14</td>
<td>$38</td>
<td>$12</td>
</tr>
<tr>
<td>2024</td>
<td>$16</td>
<td>$43</td>
<td>$13</td>
</tr>
<tr>
<td>2025</td>
<td>$16</td>
<td>$43</td>
<td>$13</td>
</tr>
<tr>
<td>2026</td>
<td>$16</td>
<td>$48</td>
<td>$14</td>
</tr>
<tr>
<td>2027</td>
<td>$16</td>
<td>$48</td>
<td>$14</td>
</tr>
</tbody>
</table>

(B) For any year after 2027, the cost-sharing amounts under this subsection for eligible covered beneficiaries shall be equal to the cost-sharing amounts for the previous year adjusted by an amount, if any, determined by the Secretary to reflect changes in the costs of pharmaceutical agents and prescription dispensing, rounded to the nearest dollar.

(C) Notwithstanding subparagraphs (A) and (B), the cost-sharing amounts under this subsection for a dependent of a member of the uniformed services who dies while on active duty, a member retired under chapter 61 of this title, or a dependent of a member retired under such chapter shall be equal to the cost-sharing amounts, if any, for 2017.”.

(b) Treatment of Certain Pharmaceutical Agents.—
362

(1) PHARMACY BENEFITS PROGRAM.—Such sec-

tion is amended by adding at the end the following

new paragraph:

“(10) Notwithstanding paragraphs (2), (5), and (6),
in order to encourage the use by covered beneficiaries of
pharmaceutical agents that provide the best clinical effec-
tiveness to covered beneficiaries and the Department of
Defense (as determined by the Secretary, including consid-
erations of better care, healthier people, and smarter
spending), the Secretary may, upon the recommendation
of the Pharmacy and Therapeutics Committee established
under subsection (b) and review by the Uniform For-

mulary Beneficiary Advisory Panel established under sub-
section (c)—

“(A) exclude from the pharmacy benefits pro-
gram any pharmaceutical agent that the Secretary
determines provides very little or no clinical effec-
tiveness to covered beneficiaries and the Department
under the program; and

“(B) give preferential status to any non-generic
pharmaceutical agent on the uniform formulary by
treating it, for purposes of cost-sharing under para-
graph (6), as a generic product under the TRICARE
retail pharmacy program and mail order pharmacy
program.”.
(2) MEDICAL CONTRACTS.—Section 1079 of such title is amended by adding at the end the following new subsection:

“(q) In the case of any pharmaceutical agent (as defined in section 1074g(g) of this title) provided under a contract entered into under this section by a physician, in an outpatient department of a hospital, or otherwise as part of any medical services provided under such a contract, the Secretary of Defense may, under regulations prescribed by the Secretary, adopt special reimbursement methods, amounts, and procedures to encourage the use of high-value products and discourage the use of low-value products, as determined by the Secretary.”.

(3) REGULATIONS.—In order to implement expeditiously the reforms authorized by the amendments made by paragraphs (1) and (2), the Secretary of Defense may prescribe such changes to the regulations implementing the TRICARE program (as defined in section 1072 of title 10, United States Code) as the Secretary considers appropriate—

(A) by prescribing an interim final rule; and

(B) not later than one year after prescribing such interim final rule and considering
public comments with respect to such interim final rule, by prescribing a final rule.

SEC. 703. PROVISION OF HYPERBARIC OXYGEN THERAPY FOR CERTAIN MEMBERS OF THE ARMED FORCES.

(a) HBOT Treatment.—

(1) In general.—Chapter 55 of title 10, United States Code, is amended by inserting after section 1074n the following new section:

“§ 1074o. Provision of hyperbaric oxygen therapy for certain members

“(a) In general.—The Secretary may furnish hyperbaric oxygen therapy available at a military medical treatment facility to a covered member if such therapy is prescribed by a physician to treat post-traumatic stress disorder or traumatic brain injury.

“(b) Covered Member Defined.—In this section, the term ‘covered member’ means a member of the armed forces who is—

“(1) serving on active duty; and

“(2) diagnosed with post-traumatic stress disorder or traumatic brain injury.”.

(2) Clerical Amendment.—The table of sections at the beginning of such chapter is amended
by inserting after the item relating to section 1074n
the following new item:

“1074o. Provision of hyperbaric oxygen therapy for certain members.”.

(b) EFFECTIVE DATE.—The amendments made by
subsection (a) shall take effect 90 days after the date of
the enactment of this Act.

SEC. 704. SPECIFICATION THAT INDIVIDUALS UNDER THE
AGE OF 21 ARE ELIGIBLE FOR HOSPICE CARE
SERVICES UNDER THE TRICARE PROGRAM.

Section 1079(a)(15) of title 10, United States Code,
is amended by inserting before the period at the end the
following: “, except that hospice care may be provided to
an individual under the age of 21 concurrently with health
care services or hospitalization for the same condition”.

SEC. 705. PHYSICAL EXAMINATIONS FOR MEMBERS OF A
RESERVE COMPONENT WHO ARE SEPARATING FROM THE ARMED FORCES.

Section 1145 of title 10, United States Code, is
amended—

(1) by redesignating subsections (d) and (e) as
subsections (e) and (f), respectively; and

(2) by inserting after subsection (e) the fol-
lowing new subsection (d):

“(d) PHYSICAL EXAMINATIONS FOR CERTAIN MEM-
BERS OF A RESERVE COMPONENT.—(1) The Secretary
concerned shall provide a physical examination pursuant
to subsection (a)(5) to each member of a reserve component who—

“(A) during the two-year period before the date on which the member is scheduled to be separated from the armed forces served on active duty in support of a contingency operation for a period of more than 30 days;

“(B) will not otherwise receive such an examination under such subsection; and

“(C) elects to receive such a physical examination.

“(2) The Secretary concerned shall—

“(A) provide the physical examination under paragraph (1) to a member during the 90-day period before the date on which the member is scheduled to be separated from the armed forces; and

“(B) issue orders to such a member to receive such physical examination.

“(3) A member may not be entitled to health care benefits pursuant to subsection (a), (b), or (e) solely by reason of being provided a physical examination under paragraph (1).

“(4) In providing to a member a physical examination under paragraph (1), the Secretary concerned shall provide to the member a record of the physical examination.”.
SEC. 706. MENTAL HEALTH ASSESSMENTS BEFORE MEMBERS SEPARATE FROM THE ARMED FORCES.

(a) In General.—Section 1145(a)(5)(A) of title 10, United States Code, is amended by inserting “and a mental health assessment conducted pursuant to section 1074n of this title” after “a physical examination”.

(b) Conforming Amendment.—Section 1074n(a) of such title is amended by inserting “(and before separation from active duty pursuant to section 1145(a)(5)(A) of this title)” after “each calendar year”.

SEC. 707. EXPANSION OF SEXUAL TRAUMA COUNSELING AND TREATMENT FOR MEMBERS OF THE RESERVE COMPONENTS.

Section 1720D(a)(2)(A) of title 38, United States Code, is amended—

(1) by striking “on active duty”; and

(2) by inserting before the period at the end the following: “that was suffered by the member while serving on active duty, active duty for training, or inactive duty training”.

SEC. 708. EXPEDITED EVALUATION AND TREATMENT FOR PRENATAL SURGERY UNDER THE TRICARE PROGRAM.

(a) In General.—The Secretary of Defense shall implement processes and procedures to ensure that a covered beneficiary under the TRICARE program whose
pregnancy is complicated with (or suspected of complication with) a fetal condition may elect to receive expedited evaluation, nondirective counseling, and medical treatment from a perinatal or pediatric specialist capable of providing surgical management and intervention in utero.

(b) Definitions.—In this section, the terms “covered beneficiary” and “TRICARE program” have the meanings given those terms in section 1072 of title 10, United States Code.

Subtitle B—Health Care Administration

SEC. 711. MAINTENANCE OF INPATIENT CAPABILITIES OF MILITARY MEDICAL TREATMENT FACILITIES LOCATED OUTSIDE THE UNITED STATES.

Section 1073d of title 10, United States Code, is amended by adding at the end the following new subsection:

“(e) MAINTENANCE OF INPATIENT CAPABILITIES AT MILITARY MEDICAL TREATMENT FACILITIES LOCATED OUTSIDE THE UNITED STATES.—(1) In carrying out subsection (a), the Secretary of Defense shall ensure that each covered facility maintains, at a minimum, inpatient capabilities that the Secretary determines are similar to the inpatient capabilities of such facility on September 30, 2016.
“(2) The Secretary may not eliminate the inpatient capabilities of a covered facility until the day that is 180 days after the Secretary provides a briefing to the Committees on Armed Services of the Senate and the House of Representatives regarding the proposed elimination. During any such briefing, the Secretary shall certify the following:

“(A) The Secretary has entered into agreements with hospitals or medical centers in the host nation of such covered facility that—

“(i) replace the inpatient capabilities the Secretary proposes to eliminate; and

“(ii) ensure members of the armed forces and covered beneficiaries who receive health care from such covered facility, have, within a distance the Secretary determines is reasonable, access to quality health care, including case management and translation services.

“(B) The Secretary has consulted with the commander of the geographic combatant command in which such covered facility is located to ensure that the proposed elimination would have no impact on the operational plan for such geographic combatant command.
“(C) Before the Secretary eliminates the inpatient capabilities of such covered facility, the Secretary shall provide each member of the armed forces or covered beneficiary who receives health care from the covered facility with—

“(i) a transition plan for continuity of health care for such member or covered beneficiary; and

“(ii) a public forum to discuss the concerns of the member or covered beneficiary regarding the proposed reduction.

“(3) In this subsection, the term ‘covered facility’ means a military medical treatment facility located outside the United States.”.

SEC. 712. MODIFICATION OF PRIORITY FOR EVALUATION AND TREATMENT OF INDIVIDUALS AT MILITARY TREATMENT FACILITIES.

Subsection (b) of section 717 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended to read as follows:

“(b) PRIORITY OF COVERED BENEFICIARIES.—

“(1) IN GENERAL.—Except as provided in paragraph (2), the evaluation and treatment of covered beneficiaries at military treatment facilities shall be prioritized ahead of the evaluation and treatment of
veterans and civilians at such facilities under sub-

section (a).

“(2) WAIVER.—The Secretary may waive the

requirement under paragraph (1) in order to provide
timely evaluation and treatment for individuals who

are—

“(A) severely wounded or injured by acts

of terror that occur in the United States; or

“(B) residents of the United States who

are severely wounded or injured by acts of ter-

ror outside the United States.”.

SEC. 713. CLARIFICATION OF ADMINISTRATION OF MILI-

TARY MEDICAL TREATMENT FACILITIES.

Section 1073c(a) of title 10, United States Code, is

amended—

(1) in paragraph (1)(E), by striking “miliary”

and inserting “military”;

(2) in paragraph (2), in the matter preceding

subparagraph (A), by striking “commander” and in-

serting “military commander or director”; and

(3) by adding at the end the following new

paragraph:

“(4) If the Secretary of Defense determines it appro-

priate, a military director (or any other senior military of-

icer or officers) of a military medical treatment facility
may be a commanding officer for purposes of chapter 47
of this title (the Uniform Code of Military Justice) with
respect to military personnel assigned to the military med-
ical treatment facility.”.

SEC. 714. REGULAR UPDATE OF PRESCRIPTION DRUG
PRICING STANDARD UNDER TRICARE RETAIL
PHARMACY PROGRAM.

Section 1074g(d) of title 10, United States Code, is
amended by adding at the end the following new para-
graph:

“(3) With respect to the TRICARE retail pharmacy
program described in subsection (a)(2)(E)(ii), the Sec-
retary shall ensure that a contract entered into with a
TRICARE pharmacy program contractor includes require-
ments described in section 1860D–12(b)(6) of the Social
Security Act (42 U.S.C. 1395w–112(b)(6)) to ensure the
provision of information regarding the pricing standard
for prescription drugs.”.

SEC. 715. MODIFICATION OF EXECUTION OF TRICARE CON-
TRACTING RESPONSIBILITIES.

Subsection (b) of section 705 of the National Defense
Authorization Act for Fiscal Year 2017 (Public Law 114–
328) is amended to read as follows:

“(b) EXECUTION OF CONTRACTING RESPONSIBIL-
ITY.—With respect to any acquisition of managed care
support services under the TRICARE program initiated
after the date of the enactment of the National Defense
Authorization Act for Fiscal Year 2018, the Under Sec-
retary of Defense for Acquisition and Sustainment shall
be responsible for—
“(1) decisions relating to such acquisition;
“(2) approving the acquisition strategy; and
“(3) conducting pre-solicitation, pre-award, and
post-award acquisition reviews.”.

SEC. 716. ADDITIONAL EMERGENCY USES FOR MEDICAL
PRODUCTS TO REDUCE DEATHS AND SEVER-
ITY OF INJURIES CAUSED BY AGENTS OF
WAR.

Section 1107a of title 10, United States Code, is
amended by adding at the end the following new sub-
section:
“(d) Additional Authority to Reduce Deaths
and Severity of Injuries Caused by Agents of
War.—(1) In a case in which an emergency use of an
unapproved product or an emergency unapproved use of
an approved product cannot be authorized under section
564 of the Federal Food, Drug, and Cosmetic Act (21
U.S.C. 360bbb–3) because the emergency does not involve
an actual or threatened attack with a biological, chemical,
radiological, or nuclear agent or agents, the Secretary of
Defense may authorize an emergency use outside the United States of the product to reduce the number of deaths or the severity of harm to members of the armed forces (or individuals associated with deployed members of the armed forces) caused by a risk or agent of war.

“(2) Except as otherwise provided in this subsection, an authorization by the Secretary under paragraph (1) shall have the same effect with respect to the armed forces as an emergency use authorization under section 564 of the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 360bbb–3).

“(3) The Secretary may issue an authorization under paragraph (1) with respect to the emergency use of an unapproved product or the emergency unapproved use of an approved product only if—

“(A) the committee established under paragraph (5) has recommended that the Secretary issue the authorization; and

“(B) the Assistant Secretary of Defense for Health Affairs makes a written determination, after consultation with the Commissioner of Food and Drugs, that, based on the totality of scientific evidence available to the Assistant Secretary, criteria comparable to those specified in section 564(c) of
the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 360bbb–3(c)) have been met.

“(4) With respect to the emergency use of an unapproved product or the emergency unapproved use of an approved product under this subsection, the Secretary of Defense shall establish such scope, conditions, and terms under this subsection as the Secretary considers appropriate, including scope, conditions, and terms comparable to those specified in section 564 of the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 360bbb–3).

“(5)(A) There is established in the Department of Defense a Department of Defense Emergency Use Authorization Committee (in this paragraph referred to as the ‘Committee’) to advise the Assistant Secretary of Defense for Health Affairs on proposed authorizations under this subsection.

“(B) Members of the Committee shall be appointed by the Secretary of Defense and shall consist of prominent health care professionals who are not employees of the Department of Defense (other than for purposes of serving as a member of the Committee).

“(C) The Committee may be established as a subcommittee of another Federal advisory committee.

“(6) In this subsection:
“(A) The term ‘biological product’ has the meaning given that term in section 351(i) of the Public Health Service Act (42 U.S.C. 262(i)).

“(B) The terms ‘device’ and ‘drug’ have the meanings given those terms in section 201 of the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 321).

“(C) The term ‘product’ means a drug, device, or biological product.

“(D) The terms ‘unapproved product’ and ‘unapproved use of an approved product’ have the meanings given those terms in section 564(a)(4) of the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 360bbb–3(a)(4)).”.

SEC. 717. MODIFICATION OF DETERMINATION OF AVERAGE WAIT TIMES AT URGENT CARE CLINICS AND PHARMACIES AT MILITARY MEDICAL TREATMENT FACILITIES UNDER PILOT PROGRAM.

(a) URGENT CARE CLINICS.—Subsection (c)(2) of section 744 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended to read as follows:

“(2) DETERMINATION.—In carrying out paragraph (1), the Secretary shall determine the average wait time to display under such paragraph by using
a formula derived from best practices in the health care industry.”.

(b) PHARMACIES.—Subsection (d)(2) of such section is amended to read as follows:

“(2) DETERMINATION.—In carrying out paragraph (1), the Secretary shall determine the average wait time to display under such paragraph by using a formula derived from best practices in the health care industry.”.

SEC. 718. REQUIREMENT FOR REIMBURSEMENT BY DEPARTMENT OF DEFENSE TO ENTITIES CARRYING OUT STATE VACCINATION PROGRAMS FOR COSTS OF VACCINES PROVIDED TO COVERED BENEFICIARIES.

Section 719 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 1074g note) is amended—

(1) in the section heading, by striking “AUTHORIZATION OF REIMBURSEMENT” and inserting “REIMBURSEMENT”; and

(2) in subsection (a)(1), by striking “may” and inserting “shall”.

SEC. 719. EXTENSION OF AUTHORITY FOR JOINT DEPARTMENT OF DEFENSE-DEPARTMENT OF VETERANS AFFAIRS MEDICAL FACILITY DEMONSTRATION FUND.


SEC. 720. RESIDENCY REQUIREMENTS FOR PODIATRISTS.

(a) REQUIREMENT.—In addition to any other qualification required by law or regulation, the Secretary of Defense shall ensure that to serve as a podiatrist in the Armed Forces, an individual must have successfully completed a three-year podiatric medicine and surgical residency.

(b) APPLICATION.—Subsection (a) shall apply with respect to an individual who is commissioned as an officer in the Armed Forces on or after the date that is one year after the date of the enactment of this Act.
SEC. 721. AUTHORIZATION OF PHYSICAL THERAPIST ASSISTANTS AND OCCUPATIONAL THERAPY ASSISTANTS TO PROVIDE SERVICES UNDER THE TRICARE PROGRAM.

(a) ADDITION TO LIST OF AUTHORIZED PROFESSIONAL PROVIDERS OF CARE.—The Secretary of Defense shall revise section 199.6(c) of title 32, Code of Federal Regulations, as in effect on the date of the enactment of this Act, to add to the list of individual professional providers of care who are authorized to provide services to beneficiaries under the TRICARE program, as defined in section 1072 of title 10, United States Code, the following types of health care practitioners:

(1) Licensed or certified physical therapist assistants who meet the qualifications for physical therapist assistants specified in section 484.4 of title 42, Code of Federal Regulations, or any successor regulation, to furnish services under the supervision of a physical therapist.

(2) Licensed or certified occupational therapy assistants who meet the qualifications for occupational therapy assistants specified in such section 484.4, or any successor regulation, to furnish services under the supervision of an occupational therapist.
(b) SUPERVISION.—The Secretary of Defense shall establish in regulations requirements for the supervision of physical therapist assistants and occupational therapy assistants, respectively, by physical therapists and occupational therapists, respectively.

(e) MANUALS AND OTHER GUIDANCE.—The Secretary of Defense shall update the CHAMPVA Policy Manual and other relevant manuals and subregulatory guidance of the Department of Defense to carry out the revisions and requirements of this section.

SEC. 722. SELECTION OF MILITARY COMMANDERS AND DIRECTORS OF MILITARY MEDICAL TREATMENT FACILITIES.

(a) IN GENERAL.—Not later than January 1, 2019, the Secretary of Defense, in consultation with the Secretaries of the military departments, shall establish the common qualifications and core competencies required for an individual to serve as a military commander or director of a military medical treatment facility.

(b) OBJECTIVE.—The objective of the Secretary under this section shall be to ensure that each individual selected to serve as a military commander or director of a military medical treatment facility is highly qualified to serve as health system executive.
(c) Standards.—In establishing common qualifications and core competencies under subsection (a), the Secretary shall include standards with respect to the following:

1. Professional competence.
2. Moral and ethical integrity and character.
3. Formal education in health care executive leadership and in health care management.
4. Such other matters the Secretary determines to be appropriate.

Subtitle C—Reports and Other Matters

SEC. 731. PILOT PROGRAM ON HEALTH CARE ASSISTANCE SYSTEM.

(a) Pilot Program.—The Secretary of Defense shall carry out a pilot program to provide a health care assistance service to certain covered beneficiaries enrolled in TRICARE Select using purchased care to improve the health outcomes and patient experience for covered beneficiaries with complex medical conditions.

(b) Elements.—The pilot program under subsection (a) may include the following elements:

1. Assisting beneficiaries with complex medical conditions to understand and use the health benefits under the TRICARE program.
(2) Supporting such beneficiaries in accessing and navigating the purchased care health care delivery system.

(3) Providing such beneficiaries with information to allow the beneficiaries to make informed decisions regarding the quality, safety, and cost of available health care services.

(4) Improving the health outcomes for such beneficiaries.

(c) DURATION.—The Secretary shall carry out the pilot program for an amount of time determined appropriate by the Secretary during the five-year period beginning 180 days after the date of the enactment of this Act.

(d) REPORT.—Not later than January 1, 2021, the Secretary shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report containing an evaluation of the success of the pilot program under subsection (a), including—

(1) an analysis of the implementation of the elements under subsection (b); and

(2) the feasibility of incorporating such elements into TRICARE support contracts.

(e) DEFINITIONS.—In this section, the terms “covered beneficiary”, “TRICARE program”, and “TRICARE
Select” have the meaning given those terms in section 1072 of title 10, United States Code.

SEC. 732. FEASIBILITY STUDY ON CONDUCT OF PILOT PROGRAM ON MENTAL HEALTH READINESS OF PART-TIME MEMBERS OF THE RESERVE COMPONENTS OF THE ARMED FORCES.

(a) In General.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall conduct a feasibility study and cost estimate for a pilot program that uses predictive analytics and screening to identify mental health risk and provide early, targeted intervention for part-time members of the reserve components of the Armed Forces to improve readiness and mission success.

(b) Elements.—The feasibility study conducted under subsection (a) shall include elements to assess the following with respect to the pilot program studied under such subsection:

(1) The anticipated improvement in quality of behavioral health services for part-time members of the reserve components of the Armed Forces and the impact of such improvement in quality of behavioral health services on their families and employers.
(2) The anticipated impact on the culture surrounding behavioral health treatment and help-seeking behavior.

(3) The feasibility of embedding mental health professionals with units that—

(A) perform core mission sets and capabilities; and

(B) carry out high-risk and high-demand missions.

(4) The particular preventative mental health needs of units at different states of their operational readiness cycle.

(5) The need for additional personnel of the Department of Defense to implement the pilot program.

(6) The cost of implementing the pilot program throughout the reserve components of the Armed Forces.

(7) The benefits of an integrated operational support team for the Air National Guard and Army National Guard units.

(c) COMPARISON TO FULL-TIME MEMBERS OF RESERVE COMPONENTS.—As part of the feasibility study conducted under subsection (a), the Secretary shall assess the mental health risk of part-time members of the reserve
components of the Armed Forces as compared to full-time
members of the reserve components of the Armed Forces.

(d) USE OF EXISTING MODELS.—In conducting the
feasibility study under subsection (a), the Secretary, to the
extent practicable, shall make use of existing models for
preventative mental health care.

SEC. 733. REPORT ON PLAN TO IMPROVE PEDIATRIC CARE
AND RELATED SERVICES FOR CHILDREN OF
MEMBERS OF THE ARMED FORCES.

(a) IN GENERAL.—Not later than 180 days after the
date of the enactment of this Act, the Secretary of Defense
shall submit to the Committees on Armed Services of the
Senate and the House of Representatives a report setting
forth a plan of the Department of Defense to improve pe-
diatric care and related services for children of members
of the Armed Forces.

(b) ELEMENTS.—The report required by subsection
(a) shall include the following:

(1) In order to ensure that children receive de-
velopmentally appropriate and age-appropriate
health care services from the Department, a plan to
align preventive pediatric care under the TRICARE
program with—
(A) standards for such care as required by
the Patient Protection and Affordable Care Act
(Public Law 111–148);

(B) guidelines established for such care by
the Early and Periodic Screening, Diagnosis,
and Treatment program under the Medicaid
program carried out under title XIX of the So-
cial Security Act (42 U.S.C. 1396 et seq.); and

(C) recommendations by organizations that
specialize in pediatrics.

(2) A plan to develop a uniform definition of
“pediatric medical necessity” for the Department
that aligns with recommendations of organizations
that specialize in pediatrics in order to ensure that
a consistent definition of such term is used in pro-
viding health care in military treatment facilities and
by health care providers under the TRICARE pro-
gram.

(3) A plan to develop measures to evaluate and
improve access to pediatric care, coordination of pe-
diatric care, and health outcomes for such children.

(4) A plan to include an assessment of access
to pediatric specialty care in the annual report to
Congress on the effectiveness of the TRICARE pro-
gram.
(5) A plan to improve the quality of and access to behavioral health care under the TRICARE program for children of members of the Armed Forces, including intensive outpatient and partial hospitalization services.

(6) A plan to mitigate the impact of permanent changes of station and other service-related relocations of members of the Armed Forces on the continuity of health care services received by such children who have special medical or behavioral health needs.

(7) A plan to mitigate deficiencies in data collection, data utilization, and data analysis to improve pediatric care and related services for children of members of the Armed Forces.

(e) TRICARE Program Defined.—In this section, the term “TRICARE program” has the meaning given such term in section 1072 of title 10, United States Code.

SEC. 734. LONGITUDINAL MEDICAL STUDY ON BLAST PRESSURE EXPOSURE OF MEMBERS OF THE ARMED FORCES.

(a) In General.—The Secretary of Defense shall conduct a longitudinal medical study on blast pressure exposure of members of the Armed Forces during combat and training, including members who train with any high
overpressure weapon system, such as anti-tank recoilless
rifles or heavy-caliber sniper rifles.

(b) ELEMENTS.—The study required under sub-
section (a) shall—

(1) monitor, record, and analyze data on blast
pressure exposure for any member of the Armed
Forces who is likely to be exposed to a blast in
training or combat;

(2) assess the feasibility and advisability of in-
cluding blast exposure history as part of the service
record of a member, as a blast exposure log, in order
to ensure that, if medical issues arise later, the
member receives care for any service-connected inju-
ries; and

(3) review the safety precautions surrounding
heavy weapons training to account for emerging re-
search on blast exposure and the effects of such ex-
posure on cognitive performance of members of the
Armed Forces.

(c) REPORTS.—

(1) INTERIM REPORT.—Not later than one year
after the date of the enactment of this Act, the Sec-
retary shall submit to the Committees on Armed
Services of the Senate and the House of Representa-
vides an interim report on the study methods and action plan for the study under subsection (a).

(2) FINAL REPORT.—Not later than four years after the date the Secretary begins the study under subsection (a), the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the results of such study.

SEC. 735. STUDY ON SAFE OPIOID PRESCRIBING PRACTICES.

(a) STUDY.—The Secretary of Defense shall conduct a study on the effectiveness of the training provided to military health care providers regarding opioid prescribing practices, initiatives in opioid safety, the use of the VA/DOD Clinical Practice Guideline for Management of Opioid Therapy for Chronic Pain, and other related training.

(b) ELEMENTS.—The study under subsection (a) shall address the effectiveness of training with respect to the following:

(1) Identifying and treating individuals with chronic pain.

(2) Reducing the total number of prescription opioids dispensed by the Department of Defense to
beneficiaries of health care furnished by the Department.

(3) Prescribing practices for opioid analgesic therapy, including—

(A) reducing average dosage sizes;

(B) reducing the average number of dosages;

(C) reducing initial and average durations of opioid analgesic therapy;

(D) reducing dose escalation when opioid analgesic therapy results in adequate pain reduction; and

(E) reducing the average number of prescription opioid analgesics dispensed by the Department of Defense.

(4) Reducing the number of overdoses due to prescription opioids for patients with acute pain and patients undergoing opioid therapy for chronic pain.

(5) Providing counseling and referrals to treatment alternatives to opioid analgesics.

(6) Providing education on the risks of opioid medications to individuals for whom such medications are prescribed, and to their families, with special consideration given to raising awareness among adolescents on such risks.
(7) Effectiveness in communicating to military health care providers changes in policies of the Department of Defense regarding opioid safety and prescribing practices.

(c) ASSESSMENT.—The Secretary of Defense shall also consider the feasibility and advisability of further strengthening opioid prescribing practices by means of the following:

(1) Developing and implementing a physician advisory committee of the Department of Defense regarding education programs for prescribers of opioid analgesics.

(2) Developing methods to encourage health care providers of the Department to use physical therapy or alternative methods to treat acute or chronic pain.

(3) Developing curricula regarding pain management and safe opioid analgesic prescription practices that incorporate opioid analgesic prescribing guidelines issued by the Centers for Disease Control and Prevention.

(d) BRIEFING.—Not later than one year after the date of the enactment of this Act, the Secretary shall provide to the Committees on Armed Services of the House of Representatives and the Senate a briefing on the results
of the study under subsection (a) and the assessment under subsection (e).

SEC. 736. REPORT ON IMPLEMENTATION OF GAO RECOMMENDATIONS.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit a report to the congressional defense committees on the implementation by the Department of Defense of the recommendations from the Government Accountability Office report entitled “Actions Needed to Ensure Post-Traumatic Stress Disorder and Traumatic Brain Injury Are Considered in Misconduct Separations” and published May 16, 2017.

SEC. 737. DECLASSIFICATION BY DEPARTMENT OF DEFENSE OF CERTAIN INCIDENTS OF EXPOSURE OF MEMBERS OF THE ARMED FORCES TO TOXIC SUBSTANCES.

(a) In general.—The Secretary of Defense shall conduct a declassification review of documents related to any known incident in which not fewer than 100 members of the Armed Forces were intentionally exposed to a toxic substance that resulted in at least one case of a disability that a member of the medical profession has determined to be associated with that toxic substance.
(b) LIMITATION.—The declassification required by subsection (a) shall be limited to information necessary for an individual who was potentially exposed to a toxic substance to determine the following:

(1) Whether that individual was exposed to that toxic substance.

(2) The potential severity of the exposure of that individual to that toxic substance.

(3) Any potential health conditions that may have resulted from exposure to that toxic substance.

(c) EXCEPTION.—The Secretary of Defense is not required to declassify documents under subsection (a) if the Secretary determines that declassification of those documents would materially and immediately threaten the security of the United States.

(d) DEFINITIONS.—In this section:

(1) ARMED FORCES.—The term “Armed Forces” has the meaning given that term in section 101 of title 10, United States Code.

(2) EXPOSED.—The term “exposed” means, with respect to a toxic substance, that an individual came into contact with that toxic substance in a manner that could be hazardous to the health of that individual, that may include if that toxic sub-
stance was inhaled, ingested, or touched the skin or eyes.

(3) EXPOSURE.—The term “exposure” means, with respect to a toxic substance, an event during which an individual was exposed to that toxic substance.

(4) TOXIC SUBSTANCE.—The term “toxic substance” means any substance determined by the Administrator of the Environmental Protection Agency to be harmful to the environment or hazardous to the health of an individual if inhaled or ingested by or absorbed through the skin of that individual.

SEC. 738. COORDINATION BY VETERANS HEALTH ADMINISTRATION OF EFFORTS TO UNDERSTAND EFFECTS OF BURN PITS.

The Under Secretary for Health of the Department of Veterans Affairs, acting through the Office of Public Health of the Veterans Health Administration, shall coordinate efforts related to furthering understanding of burn pits, the effect of burn pits on veterans, and effective treatments relating to such effects, including with respect to research efforts and training of clinical staff on related matters.
SEC. 739. TRICARE TECHNICAL AMENDMENTS.

(a) DEFINITION OF TRICARE STANDARD.—Paragraph (15) of section 1072 of title 10, United States Code, is amended to read as follows:

“(15) The term ‘TRICARE Standard’ means the TRICARE program made available prior to January 1, 2018, covering health benefits contracted for under the authority of section 1079(a) or 1086(a) of this title and subject to the same rates and conditions as apply to persons covered under those sections.”.

(b) COST-SHARING AMOUNTS.—

(1) TRICARE SELECT.—

(A) ALLOWANCE OF COST-SHARING AMOUNTS AS DETERMINED BY THE SECRETARY.—Subsection (d) of section 1075 of such title is amended by adding at the end the following new paragraph:

“(4) The cost-sharing requirements applicable to services not specifically addressed in the table set forth in paragraph (1) shall be established by the Secretary.”.

(B) MODIFICATION OF REFERENCE TO AMBULANCE CIVILIAN NETWORK.—Paragraph (1) of such subsection is amended, in the first column of the table, by striking “Ambulance civil-
ian network” and inserting “Ground ambulance
civilian network”.

(2) TRICARE PRIME.—

(A) ALLOWANCE OF COST-SHARING
AMOUNTS AS DETERMINED BY THE SEC-
RETARY.—Subsection (b) of section 1075a of
such title is amended by adding at the end the
following new paragraph:

“(4) The cost-sharing requirements applicable to
services not specifically addressed in the table set forth
in paragraph (1) shall be established by the Secretary.”.

(B) MODIFICATION OF REFERENCE TO AM-
BULANCE CIVILIAN NETWORK.—Paragraph (1)
of such section is amended, in the first column
of the table, by striking “Ambulance civilian
network” and inserting “Ground ambulance ci-
vilian network”.

(c) MEDICAL CARE FOR DEPENDENTS.—

(1) REFERENCE TO MEDICALLY NECESSARY VI-
TAMINS.—Paragraphs (3) and (18) of section
1077(a) of such title are amended by striking “sub-
section (g)” each place it appears and inserting
“subsection (h)”.

(2) ELIGIBILITY OF DEPENDENTS TO PUR-
CHASE HEARING AIDS.—Section 1077(g) of such
title is amended by striking “of former members of
the uniformed services” and inserting “eligible for
care under this section”.

(d) MODIFICATION OF REFERENCE TO FISCAL
YEAR.—

(1) CONTRACTS FOR MEDICAL CARE FOR
SPOUSES AND CHILDREN.—Section 1079(b) such
title is amended by striking “fiscal year” each place
it appears and inserting “calendar year”.

(2) CONTRACTS FOR HEALTH BENEFITS FOR
CERTAIN MEMBERS, FORMER MEMBERS, AND THEIR
DEPENDENTS.—Section 1086(b) of such title is
amended by striking “fiscal year” each place it ap-
pears and inserting “calendar year”.

(e) REFERRALS AND PREAUTHORIZATIONS FOR
TRICARE PRIME.—

(1) PREAUTHORIZATION FOR CARE AT RESI-
DENTIAL TREATMENT CENTERS.—Section 1095f(b)
of such title is amended by adding at the end the
following new paragraph:

“(4) Inpatient care at a residential treatment
center.”.

(2) REFERENCE.—Section 1075a(c) of such
title is amended by striking “section 1075f(a)” and
inserting “section 1095f(a)”.

(f) Applicability of Premium for Dependent Coverage.—Section 1110b(c)(1) of such title is amended by striking “section 1075 of this section” and inserting “section 1075 or 1075a of this title, as appropriate”.

TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS

Subtitle A—Acquisition Policy and Management

Sec. 801. Statements of purpose for Department of Defense acquisition.
Sec. 802. Management of intellectual property matters within the Department of Defense.
Sec. 803. Performance of incurred cost audits.
Sec. 804. Repeal of certain auditing requirements.
Sec. 805. Increased simplified acquisition threshold.
Sec. 806. Requirements related to the micro-purchase threshold.
Sec. 807. Process for enhanced supply chain scrutiny.
Sec. 808. Defense policy advisory committee on technology.
Sec. 809. Report on extension of development, acquisition, and sustainment authorities of the military departments to the United States Special Operations Command.
Sec. 810. Technical and conforming amendments related to program management provisions.

Subtitle B—Amendments to General Contracting Authorities, Procedures, and Limitations

Sec. 811. Modifications to cost or pricing data and reporting requirements.
Sec. 812. Applicability of cost and pricing data certification requirements.
Sec. 813. Sunset of certain provisions relating to the procurement of goods other than United States goods.
Sec. 814. Comptroller General report on health and safety records.
Sec. 815. Limitation on unilateral definitization.
Sec. 816. Amendment to sustainment reviews.
Sec. 817. Use of program income by eligible entities that carry out procurement technical assistance programs.
Sec. 818. Enhanced post-award debriefing rights.
Sec. 819. Amendments relating to information technology.
Sec. 820. Change to definition of subcontract in certain circumstances.
Sec. 821. Amendment relating to applicability of inflation adjustments.
Sec. 822. Use of lowest price technically acceptable source selection process.
Sec. 823. Exemption from design-build selection procedures.
Sec. 824. Contract closeout authority.
Sec. 825. Elimination of cost underruns as factor in calculation of penalties for cost overruns.
Sec. 826. Modification to annual meeting requirement of Configuration Steering Boards.
Sec. 827. Pilot program on payment of costs for denied Government Accountability Office bid protests.

Subtitle C—Provisions Relating to Major Defense Acquisition Programs
Sec. 831. Revisions to definition of major defense acquisition program.
Sec. 832. Prohibition on use of lowest price technically acceptable source selection process for major defense acquisition programs.
Sec. 833. Role of the Chief of the armed force in material development decision and acquisition system milestones.
Sec. 834. Requirement to emphasize reliability and maintainability in weapon system design.
Sec. 835. Licensing of appropriate intellectual property to support major weapon systems.
Sec. 836. Codification of requirements pertaining to assessment, management, and control of operating and support costs for major weapon systems.
Sec. 837. Should-cost management.
Sec. 838. Improvements to test and evaluation processes and tools.
Sec. 839. Enhancements to transparency in test and evaluation processes and data.

Subtitle D—Provisions Relating to Acquisition Workforce
Sec. 841. Enhancements to the civilian program management workforce.
Sec. 842. Credits to Department of Defense Acquisition Workforce Development Fund.
Sec. 843. Improvements to the hiring and training of the acquisition workforce.
Sec. 844. Extension and modifications to acquisition demonstration project.

Subtitle E—Provisions Relating to Commercial Items
Sec. 846. Procurement through commercial e-commerce portals.
Sec. 847. Revision to definition of commercial item.
Sec. 848. Commercial item determinations.
Sec. 849. Review of regulations on commercial items.
Sec. 850. Training in commercial items procurement.

Subtitle F—Provisions Relating to Services Contracting
Sec. 851. Improvement of planning for acquisition of services.
Sec. 852. Standard guidelines for evaluation of requirements for services contracts.
Sec. 853. Report on outcome-based services contracts.
Sec. 854. Pilot program for longer term multiyear service contracts.

Subtitle G—Provisions Relating to Other Transaction Authority and Prototyping
Sec. 861. Contract authority for advanced development of initial or additional prototype units.
Sec. 862. Methods for entering into research agreements.
Sec. 863. Education and training for transactions other than contracts and grants.
Sec. 864. Other transaction authority for certain prototype projects.
Sec. 865. Amendment to nontraditional and small contractor innovation prototyping program.
Sec. 866. Middle tier of acquisition for rapid prototype and rapid fielding.
Sec. 867. Preference for use of other transactions and experimental authority.
Sec. 868. Prototype projects to digitize defense acquisition regulations, policies, and guidance, and empower user tailoring of acquisition process.

Subtitle II—Provisions Relating to Software Acquisition
Sec. 871. Noncommercial computer software acquisition considerations.
Sec. 872. Defense Innovation Board analysis of software acquisition regulations.
Sec. 873. Pilot program to use agile or iterative development methods to tailor major software-intensive warfighting systems and defense business systems.
Sec. 874. Software development pilot program using agile best practices.
Sec. 875. Pilot program for open source software.

Subtitle I—Other Matters
Sec. 881. Extension of maximum duration of fuel storage contracts.
Sec. 882. Procurement of aviation critical safety items.
Sec. 883. Modifications to the advisory panel on streamlining and codifying acquisition regulations.
Sec. 884. Repeal of expired pilot program for leasing commercial utility cargo vehicles.
Sec. 885. Exception for business operations from requirement to accept $1 coins.
Sec. 886. Development of Procurement Administrative Lead Time.
Sec. 887. Notional milestones and standard timelines for contracts for foreign military sales.
Sec. 888. Assessment and authority to terminate or prohibit contracts for procurement from Chinese companies providing support to the Democratic People’s Republic of Korea.
Sec. 889. Report on defense contracting fraud.
Sec. 890. Comptroller General report on contractor business system requirements.
Sec. 891. Training on agile or iterative development methods.

1 Subtitle A—Acquisition Policy and Management

3 SEC. 801. STATEMENTS OF PURPOSE FOR DEPARTMENT OF DEFENSE ACQUISITION.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall revise the Defense Federal Acquisition Regulation Supplement to include the following statements of purpose:
(1) The defense acquisition system (as defined in section 2545 of title 10, United States Code) exists to manage the investments of the United States in technologies, programs, and product support necessary to achieve the national security strategy prescribed by the President pursuant to section 108 of the National Security Act of 1947 (50 U.S.C. 3043) and to support the United States Armed Forces.

(2) The investment strategy of the Department of Defense shall be postured to support not only the current United States Armed Forces, but also future Armed Forces of the United States.

(3) The primary objective of Department of Defense acquisition is to acquire quality products that satisfy user needs with measurable improvements to mission capability and operational support, in a timely manner, and at a fair and reasonable price.

SEC. 802. MANAGEMENT OF INTELLECTUAL PROPERTY

MATTERS WITHIN THE DEPARTMENT OF DEFENSE.

(a) MANAGEMENT OF INTELLECTUAL PROPERTY.—

(1) IN GENERAL.—Chapter 137 of title 10, United States Code, is amended by inserting after section 2321 the following new section:
§ 2322. Management of intellectual property matters within the Department of Defense

(a) POLICY REQUIRED.—The Secretary of Defense, acting through the Under Secretary of Defense for Acquisition and Sustainment, shall develop policy on the acquisition or licensing of intellectual property—

(1) to enable coordination and consistency across the military departments and the Department of Defense in strategies for acquiring or licensing intellectual property and communicating with industry;

(2) to ensure that program managers are aware of the rights afforded the Federal Government and contractors in intellectual property and that program managers fully consider and use all available techniques and best practices for acquiring or licensing intellectual property early in the acquisition process; and

(3) to encourage customized intellectual property strategies for each system based on, at a minimum, the unique characteristics of the system and its components, the product support strategy for the system, the organic industrial base strategy of the military department concerned, and the commercial market.

(b) CADRE OF INTELLECTUAL PROPERTY EXPERTS.—(1) The Secretary of Defense, acting through the
Under Secretary of Defense for Acquisition and Sustainment, shall establish a cadre of personnel who are experts in intellectual property matters. The purpose of the cadre is to ensure a consistent, strategic, and highly knowledgeable approach to acquiring or licensing intellectual property by providing expert advice, assistance, and resources to the acquisition workforce on intellectual property matters, including acquiring or licensing intellectual property.

“(2) The Under Secretary shall establish an appropriate leadership structure and office within which the cadre shall be managed, and shall determine the appropriate official to whom members of the cadre shall report.

“(3) The cadre of experts shall be assigned to a program office or an acquisition command within a military department to advise, assist, and provide resources to a program manager or program executive officer on intellectual property matters at various stages of the life cycle of a system. In performing such duties, the experts shall—

“(A) interpret and provide counsel on laws, regulations, and policies relating to intellectual property;

“(B) advise and assist in the development of an acquisition strategy, product support strategy, and intellectual property strategy for a system;
“(C) conduct or assist with financial analysis and valuation of intellectual property;

“(D) assist in the drafting of a solicitation, contract, or other transaction;

“(E) interact with or assist in interactions with contractors, including communications and negotiations with contractors on solicitations and awards; and

“(F) conduct or assist with mediation if technical data delivered pursuant to a contract is incomplete or does not comply with the terms of agreements.

“(4)(A) In order to achieve the purpose set forth in paragraph (1), the Under Secretary shall ensure the cadre has the appropriate number of staff and such staff possesses the necessary skills, knowledge, and experience to carry out the duties under paragraph (2), including in relevant areas of law, contracting, acquisition, logistics, engineering, financial analysis, and valuation. The Under Secretary, in coordination with the Defense Acquisition University and in consultation with academia and industry, shall develop a career path, including development opportunities, exchanges, talent management programs, and training, for the cadre. The Under Secretary may use ex-
existing authorities to staff the cadre, including those in sub-
paragraphs (B), (C), (D), and (F).

“(B) Civilian personnel from within the Office of the Secretary of Defense, Joint Staff, military departments, Defense Agencies, and combatant commands may be assigned to serve as members of the cadre, upon request of the Director.

“(C) The Under Secretary may use the authorities for highly qualified experts under section 9903 of title 5, to hire experts as members of the cadre who are skilled professionals in intellectual property and related matters.

“(D) The Under Secretary may enter into a contract with a private-sector entity for specialized expertise to support the cadre. Such entity may be considered a covered Government support contractor, as defined in section 2320 of this title.

“(E) In establishing the cadre, the Under Secretary shall give preference to civilian employees of the Department of Defense, rather than members of the armed forces, to maintain continuity in the cadre.

“(F) The Under Secretary is authorized to use amounts in the Defense Acquisition Workforce Development Fund for the purpose of recruitment, training, and retention of the cadre, including paying salaries of newly hired members of the cadre for up to three years.”.
(2) Clerical Amendment.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“2322. Management of intellectual property matters within the Department of Defense.”.

(b) Additional Acquisition Position.—Subsection 1721(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(12) Intellectual property.”.

SEC. 803. PERFORMANCE OF INCURRED COST AUDITS.

(a) In General.—Chapter 137 of title 10, United States Code, is amended by inserting after section 2313a the following new section:

“§ 2313b. Performance of incurred cost audits

“(a) Compliance With Standards of Risk and Materiality.—Not later than October 1, 2020, the Secretary of Defense shall comply with commercially accepted standards of risk and materiality in the performance of each incurred cost audit of costs associated with a contract of the Department of Defense.

“(b) Conditions for the Use of Qualified Auditors to Perform Incurred Cost Audits.—(1) To support the need of the Department of Defense for timely and effective incurred cost audits, and to ensure that the Defense Contract Audit Agency is able to allocate resources to higher-risk and more complex audits, the Sec-
retary of Defense shall use qualified private auditors to
perform a sufficient number of incurred cost audits of con-
tracts of the Department of Defense to—

“(A) eliminate, by October 1, 2020, any back-
log of incurred cost audits of the Defense Contract
Audit Agency;

“(B) ensure that incurred cost audits are com-
pleted not later than one year after the date of re-
ceipt of a qualified incurred cost submission;

“(C) maintain an appropriate mix of Govern-
ment and private sector capacity to meet the current
and future needs of the Department of Defense for
the performance of incurred cost audits;

“(D) ensure that qualified private auditors per-
form incurred cost audits on an ongoing basis to im-
prove the efficiency and effectiveness of the perform-
ance of incurred cost audits; and

“(E) limit multiyear auditing to ensure that
multiyear auditing is conducted only—

“(A) to address outstanding incurred cost
audits for which a qualified incurred cost sub-
mission was submitted to the Defense Contract
Audit Agency more than 12 months before the
date of the enactment of this section; or
“(B) when the contractor being audited submits a written request, including a justification for the use of multiyear auditing, to the Under Secretary of Defense (Comptroller).

“(2) The Secretary of Defense shall consult with Federal agencies that have awarded contracts or task orders to qualified private auditors to ensure that the Department of Defense is using, as appropriate, best practices relating to contracting with qualified private auditors.

“(3) The Secretary of Defense shall ensure that a qualified private auditor performing an incurred cost audit under this section—

“(A) has no conflict of interest in performing such an audit, as defined by generally accepted government auditing standards;

“(B) possesses the necessary independence to perform such an audit, as defined by generally accepted government auditing standards;

“(C) signs a nondisclosure agreement, as appropriate, to protect proprietary or nonpublic data;

“(D) accesses and uses proprietary or nonpublic data furnished to the qualified private auditor only for the purposes stated in the contract;
“(E) takes all reasonable steps to protect proprietary and nonpublic data furnished during the audit; and

“(F) does not use proprietary or nonpublic data provided to the qualified private auditor under the authority of this section to compete for Government or nongovernment contracts.

“(c) PROCEDURES FOR THE USE OF QUALIFIED PRIVATE AUDITORS.—(1) Not later than October 1, 2018, the Secretary of Defense shall submit to the congressional defense committees a plan to implement the requirements of subsection (b). Such plan shall include, at a minimum—

“(A) a description of the incurred cost audits that the Secretary determines are appropriate to be conducted by qualified private auditors, including the approximate number and dollar value of such incurred cost audits;

“(B) an estimate of the number and dollar value of incurred cost audits to be conducted by qualified private auditors for each of the fiscal years 2019 through 2025 necessary to meet the requirements of subsection (b); and

“(C) all other elements of an acquisition plan as required by the Federal Acquisition Regulation.
“(2) Not later than April 1, 2019, the Secretary of Defense or a Federal department or agency authorized by the Secretary shall award a contract or issue a task order under an existing contract to two or more qualified private auditors to perform incurred cost audits of costs associated with contracts of the Department of Defense. The Defense Contract Management Agency or a contract administration office of a military department shall use a contract or a task order awarded or issued pursuant to this paragraph for the performance of an incurred cost audit, if doing so will assist the Secretary in meeting the requirements in subsection (b).

“(3) To improve the quality of incurred cost audits and reduce duplication of performance of such audits, the Secretary of Defense may provide a qualified private auditor with information on past or ongoing audit results or other relevant information on the entities the qualified private auditor is auditing.

“(4) The Secretary of Defense shall consider the results of an incurred cost audit performed under this section without regard to whether the Defense Contract Audit Agency or a qualified private auditor performed the audit.

“(5) The contracting officer for a contract that is the subject of an incurred cost audit shall have the sole discre-
tion to determine what action should be taken based on
an audit finding on direct costs of the contract.

“(d) QUALIFIED PRIVATE AUDITOR REQUIREMENTS.—(1) A qualified private auditor awarded a con-
tract or issued an task order under subsection (c)(2) shall
conduct an incurred cost audit in accordance with the gen-
erally accepted government auditing standards.

“(2) A qualified private auditor awarded a contract
or issued an task order under subsection (c)(2) shall de-
velop and maintain complete and accurate working papers
on each incurred cost audit. All working papers and re-
ports on the incurred cost audit prepared by such qualified
private auditor shall be the property of the Department
of Defense, except that the qualified private auditor may
retain a complete copy of all working papers to support
such reports made pursuant to this section.

“(3) A breach of contract by a qualified private audi-
tor with respect to use of proprietary or nonpublic data
may subject the qualified private auditor to—

“(A) criminal, civil, administrative, and con-
tractual actions for penalties, damages, and other
appropriate remedies by the United States; and

“(B) civil actions for damages and other appro-
priate remedies by the contractor or subcontractor
whose data are affected by the breach.
“(e) PEER REVIEW.—(1) Effective October 1, 2022, the Defense Contract Audit Agency may issue unqualified audit findings for an incurred cost audit only if the Defense Contract Audit Agency is peer reviewed by a commercial auditor and passes such peer review. Such peer review shall be conducted in accordance with the peer review requirements of generally accepted government auditing standards, including the requirements related to frequency of peer reviews, and shall be deemed to meet the requirements of the Defense Contract Audit Agency for a peer review under such standards.

“(2) Not later than October 1, 2019, the Secretary of Defense shall provide to the Committees on Armed Services of the Senate and the House of Representatives an update on the process of securing a commercial auditor to perform the peer review referred to in paragraph (1).

“(f) NUMERIC MATERIALITY STANDARDS FOR INCURRED COST AUDITS.—(1) Not later than October 1, 2020, the Department of Defense shall implement numeric materiality standards for incurred cost audits to be used by auditors that are consistent with commercially accepted standards of risk and materiality.

“(2) Not later than October 1, 2019, the Secretary of Defense shall submit to the congressional defense committees a report containing proposed numeric materiality
standards required under paragraph (1). In developing such standards, the Secretary shall consult with commercial auditors that conduct incurred cost audits, the advisory panel authorized under section 809 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 889), and other governmental and nongovernmental entities with relevant expertise.

“(g) TIMELINESS OF INCURRED COST AUDITS.—(1) The Secretary of Defense shall ensure that all incurred cost audits performed by qualified private auditors or the Defense Contract Audit Agency are performed in a timely manner.

“(2) The Secretary of Defense shall notify a contractor of the Department of Defense within 60 days after receipt of an incurred cost submission from the contractor whether the submission is a qualified incurred cost submission.

“(3) With respect to qualified incurred cost submissions received on or after the date of the enactment of this section, audit findings shall be issued for an incurred cost audit not later than one year after the date of receipt of such qualified incurred cost submission.

“(4) Not later than October 1, 2020, and subject to paragraph (5), if audit findings are not issued within one year after the date of receipt of a qualified incurred cost
submission, the audit shall be considered to be complete
and no additional audit work shall be conducted.

“(5) The Under Secretary of Defense (Comptroller)
may waive the requirements of paragraph (4) on a case-
by-case basis if the Director of the Defense Contract Audit
Agency submits a written request. The Director of the De-
fense Contract Audit Agency shall include in the report
required under section 2313a of this title the total number
of waivers issued and the reasons for issuing each such
waiver.

“(h) Review of Audit Performance.—Not later
than April 1, 2025, the Comptroller General of the United
States shall submit to the congressional defense commit-
tees a report that evaluates for the period beginning on
October 1, 2019, and ending on August 31, 2023—

“(1) the timeliness, individual cost, and quality
of incurred cost audits, set forth separately by in-
curred cost audits performed by the Defense Con-
tract Audit Agency and by qualified private auditors;

“(2) the cost to contractors of the Department
of Defense for incurred cost audits, set forth sepa-
rately by incurred cost audits performed by the De-
fense Contract Audit Agency and by qualified pri-
ivate auditors;
“(3) the effect, if any, on other types of audits conducted by the Defense Contract Audit Agency that results from incurred cost audits conducted by qualified private auditors; and

“(4) the capability and capacity of qualified private auditors to conduct incurred cost audits for the Department of Defense.

“(i) DEFINITIONS.—In this section:

“(1) The term ‘commercial auditor’ means a private entity engaged in the business of performing audits.

“(2) The term ‘incurred cost audit’ means an audit of charges to the Government by a contractor under a flexibly priced contract.

“(3) The term ‘flexibly priced contract’ has the meaning given the term ‘flexibly-priced contracts and subcontracts’ in part 30 of the Federal Acquisition Regulation (section 30.001 of title 48, Code of Federal Regulations).

“(4) The term ‘generally accepted government auditing standards’ means the generally accepted government auditing standards of the Comptroller General of the United States.

“(5) The term ‘numeric materiality standard’ means a dollar amount of misstatements, including
omissions, contained in an incurred cost audit that would be material if the misstatements, individually or in the aggregate, could reasonably be expected to influence the economic decisions of the Government made on the basis of the incurred cost audit.

“(6) The term ‘qualified incurred cost submission’ means a submission by a contractor of costs incurred under a flexibly priced contract that has been qualified by the Department of Defense as sufficient to conduct an incurred cost audit.

“(7) The term ‘qualified private auditor’ means a commercial auditor—

“(A) that performs audits in accordance with generally accepted government auditing standards; and

“(B) that has received a passing peer review rating, as defined by generally accepted government auditing standards.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2313a the following new item:

“2313b. Performance of incurred cost audits.”.

(e) AMENDMENT TO DUTIES OF THE ADVISORY PANEL ON STREAMLINING AND CODIFYING ACQUISITION REGULATIONS.—Subsection (e)(2) of section 809 of the

(1) in subparagraph (D) by striking “and” at the end;

(2) by redesignating subparagraph (E) as subparagraph (F);

(3) by adding after subparagraph (D) the following new subparagraph:

“(E) improve the efficiency of the contract auditing process, including through the development of risk-based materiality standards; and”;

and

(4) in subparagraph (F) (as so redesignated), by striking “subparagraphs (A) through (D)” and inserting “subparagraphs (A) through (E)”.

SEC. 804. REPEAL OF CERTAIN AUDITING REQUIREMENTS.

Section 190 of title 10, United States Code, as proposed to be added by section 820(b)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2274), is amended by striking subsection (f).
SEC. 805. INCREASED SIMPLIFIED ACQUISITION THRESHOLD.

Section 134 of title 41, United States Code, is amended by striking “$100,000” and inserting “$250,000”.

SEC. 806. REQUIREMENTS RELATED TO THE MICRO-PURCHASE THRESHOLD.

(a) INCREASE IN THRESHOLD.—Section 1902(a)(1) of title 41, United States Code, is amended by striking “$3,000” and inserting “$10,000”.

(b) CONVENIENCE CHECKS.—A convenience check may not be used for an amount in excess of one half of the micro-purchase threshold under section 1902(a) of title 41, United States Code, or a lower amount established by the head of the agency.

SEC. 807. PROCESS FOR ENHANCED SUPPLY CHAIN SCRUTINY.

(a) PROCESS.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall establish a process for enhancing scrutiny of acquisition decisions in order to improve the integration of supply chain risk management into the overall acquisition decision cycle.

(b) ELEMENTS.—The process under subsection (a) shall include the following elements:
(1) Designation of a senior official responsible for overseeing the development and implementation of the process.

(2) Development or integration of tools to support commercial due-diligence, business intelligence, or otherwise analyze and monitor commercial activity to understand business relationships with entities determined to be threats to the United States.

(3) Development of risk profiles of products or services based on commercial due-diligence tools and data services.

(4) Development of education and training curricula for the acquisition workforce that supports the process.

(5) Integration, as needed, with intelligence sources to develop threat profiles of entities determined to be threats to the United States.

(6) Periodic review and assessment of software products and services on computer networks of the Department of Defense to remove prohibited products or services.

(7) Synchronization of the use of current authorities for making supply chain decisions, including section 806 of Public Law 111–383 (10 U.S.C.
2304 note) or improved use of suspension and debarment officials.

(8) Coordination with interagency, industrial, and international partners, as appropriate, to share information, develop Government-wide strategies for dealing with significant entities determined to be significant threats to the United States, and effectively use authorities in other departments and agencies to provide consistent, Government-wide approaches to supply chain threats.

(9) Other matters as the Secretary considers necessary.

(e) NOTIFICATION.—Not later than 90 days after establishing the process required by subsection (a), the Secretary shall provide a written notification to the Committees on Armed Services of the Senate and House of Representatives that the process has been established. The notification also shall include the following:

(1) Identification of the official designated under subsection (b)(1).

(2) Identification of tools and services currently available to the Department of Defense under subsection (b)(2).
(3) Assessment of additional tools and services available under subsection (b)(2) that the Department of Defense should evaluate.

(4) Identification of, or recommendations for, any statutory changes needed to improve the effectiveness of the process.

(5) Projected resource needs for implementing any recommendations made by the Secretary.

SEC. 808. DEFENSE POLICY ADVISORY COMMITTEE ON TECHNOLOGY.

(a) Establishment.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, acting through the Chief Management Officer, shall form a committee of senior executives from United States firms in the national technology and industrial base to meet with the Secretary, the Secretaries of the military departments, and members of the Joint Chiefs of Staff to exchange information, including, as appropriate, classified information, on technology threats to the national security of the United States and on the emerging technologies from the national technology and industrial base that may become available to counter such threats in a timely manner.

(b) Meetings.—The defense policy advisory committee on technology formed pursuant to subsection (a)
shall meet with the Secretary and the other Department
of Defense officials specified in such subsection collectively
at least once annually in each of fiscal years 2018 through
2022. The Secretary of Defense shall provide the congres-
sional defense committees annual briefings on the meet-
ings.

(c) Federal Advisory Committee Act.—The
Federal Advisory Committee Act (5 U.S.C. App.) shall not
apply to the defense policy advisory committee on tech-
ology established pursuant to this section.

SEC. 809. REPORT ON EXTENSION OF DEVELOPMENT, AC-
QUISITION, AND SUSTAINMENT AUTHORITIES
OF THE MILITARY DEPARTMENTS TO THE
UNITED STATES SPECIAL OPERATIONS COM-
MAND.

(a) Review.—The Secretary of Defense shall carry
out a review of the authorities available to the Secretaries
of the military departments and the acquisition executives
of the military departments for the development, acquisi-
tion, and sustainment of technology, equipment, and serv-
ices for the military departments in order to determine
the feasibility and advisability of the provision of such au-
thorities to the Commander of the United States Special
Operations Command and the acquisition executive of the
Command for the development, acquisition, and
sustainment of special operations-peculiar technology, equipment, and services.

(b) REPORT.—Not later than 120 days after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the review required by subsection (a). The report shall include the following:

(1) A description of the review.

(2) An identification of the authorities the Secretary recommends for provision to the Commander of the United States Special Operations Command and the acquisition executive of the Command as described in subsection (a), and recommendations for any modifications of such authorities that the Secretary considers appropriate for purposes of the United States Special Operations Command.

(3) Such recommendations for legislative or administrative action as the Secretary considers appropriate for the provision of authorities identified pursuant to paragraph (2) as described in subsection (a).

(4) Such other matters as the Secretary considers appropriate in light of the review.
SEC. 810. TECHNICAL AND CONFORMING AMENDMENTS
RELATED TO PROGRAM MANAGEMENT PROVISIONS.

(a) Repeal of duplicative provision related to program and project management.—Subsection (c) of section 503 of title 31, United States Code, as added by section 861(a)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2298), is repealed.

(b) Repeal of duplicative provision related to program management officers and program management policy council.—Section 1126 of title 31, United States Code, as added by section 861(b)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2299), is repealed.

(c) Repeal of obsolete provisions.—Section 861 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2299) is repealed.

Subtitle B—Amendments to General Contracting Authorities, Procedures, and Limitations

SEC. 811. MODIFICATIONS TO COST OR PRICING DATA AND REPORTING REQUIREMENTS.

(a) Modifications to submissions of cost or pricing data.—
(1) TITLE 10.—Subsection (a) of section 2306a of title 10, United States Code, is amended—

(A) by striking “December 5, 1990” each place it appears and inserting “June 30, 2018”;

(B) by striking “December 5, 1991” each place it appears and inserting “July 1, 2018”;

(C) by striking “$100,000” each place it appears and inserting “$750,000”;

(D) in paragraph (1)—

(i) in subparagraphs (A)(i), (B)(i), (C)(i), (C)(ii), and (D)(i), by striking “$500,000” and inserting “$2,000,000”;

and

(ii) in subparagraph (B)(ii), by striking “$500,000” and inserting “$750,000”;

(E) in paragraph (6), by striking “December 5, 1990” and inserting “June 30, 2018”;

and

(F) in paragraph (7), by striking “to the amount” and all that follows through “higher multiple of $50,000.” and inserting “in accordance with section 1908 of title 41.”.

(2) TITLE 41.—Section 3502 of title 41, United States Code, is amended—

(A) in subsection (a)—
(i) by striking “October 13, 1994” each place it appears and inserting “June 30, 2018”; 

(ii) by striking “$100,000” each place it appears and inserting “$750,000”; 

(iii) in paragraphs (1)(A), (2)(A), (3)(A), (3)(B), and (4)(A), by striking “$500,000” and inserting “$2,000,000”; and 

(iv) in paragraph (2)(B), by striking “$500,000” and inserting “$750,000”; 

(B) in subsection (f), by striking “October 13, 1994” and inserting “June 30, 2018”; and 

(C) in subsection (g), by striking “to the amount” and all that follows through “higher multiple of $50,000.” and inserting “in accordance with section 1908.”.

(b) MODIFICATION TO AUTHORITY TO REQUIRE SUBMISSION.—Paragraph (1) of section 2306a(d) of title 10, United States Code, is amended by striking “the contracting officer shall require submission of” and all the follows through “to the extent necessary” and inserting “the offeror shall be required to submit to the contracting officer data other than certified cost or pricing data (if
requested by the contracting officer), to the extent nec-

(c) **Comptroller General Review of Modifications to Cost or Pricing Data Submission Requirements.**—Not later than March 1, 2022, the Comptroller General of the United States shall submit to the congres-
sional defense committees a report on the implementation and effect of the amendments made by subsections (a) and (b).

(d) **Requirements for Defense Contract Audit Agency Report.**—

(1) **In General.**—Section 2313a of title 10, United States Code, is amended—

(A) in subsection (a)(2)—

(i) in subparagraph (A)—

(I) by inserting “and dollar value” after “number”; and

(II) by inserting “, set forth sepa-

rately by type of audit” after “pend-

ing”;

(ii) in subparagraph (C), by inserting

“, both from the date of receipt of a quali-

fied incurred cost submission and from the
date the audit begins” after “audit”;
(iii) by amending subparagraph (D) to read as follows:

“(D) the sustained questioned costs, set forth separately by type of audit, both as a total value and as a percentage of the total questioned costs for the audit;”;

(iv) by striking subparagraph (E);

and

(v) by inserting after subparagraph (D) the following new subparagraphs:

“(E) the total number and dollar value of incurred cost audits completed, and the method by which such incurred cost audits were completed;

“(F) the aggregate cost of performing audits, set forth separately by type of audit;

“(G) the ratio of sustained questioned costs to the aggregate costs of performing audits, set forth separately by type of audit; and

“(H) the total number and dollar value of audits that are pending for a period longer than one year as of the end of the fiscal year covered by the report, and the fiscal year in which the qualified submission was received, set forth separately by type of audit;”; and
(B) by adding at the end the following new subsection:

“(d) DEFINITIONS.—

“(1) The terms ‘incurred cost audit’ and ‘qualified incurred cost submission’ have the meaning given those terms in section 2313b of this title.

“(2) The term ‘sustained questioned costs’ means questioned costs that were recovered by the Federal Government as a result of contract negotiations related to such questioned costs.”.


(e) ADJUSTMENT TO VALUE OF COVERED CONTRACTS FOR REQUIREMENTS RELATING TO ALLOWABLE COSTS.—Subparagraph (B) of section 2324(l)(1) of title 10, United States Code, is amended by striking “to the equivalent” and all that follows through “higher multiple
of $50,000.” and inserting “in accordance with section 1908 of title 41.”.

SEC. 812. APPLICABILITY OF COST AND PRICING DATA CERTIFICATION REQUIREMENTS.

Section 830(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2286) is amended—

(1) in paragraph (1)(A), by striking “same product” and inserting “same or similar product”;

(2) by redesignating paragraph (2) as paragraph (4); and

(3) by inserting after paragraph (1) the following new paragraphs:

“(2) DETERMINATION OF SAME OR SIMILAR PRODUCT.—The Secretary of Defense and the Secretary of State shall jointly determine whether a product is considered to be a similar product for the purposes of this pilot program.

“(3) WAIVER OF COST OR PRICING CERTIFICATION.—The Secretary of Defense may waive the certification requirement under section 2306a(a)(2) of title 10, United States Code, if the Secretary determines that the Federal Government has sufficient data and information regarding the reasonableness of the price.”.
SEC. 813. SUNSET OF CERTAIN PROVISIONS RELATING TO THE PROCUREMENT OF GOODS OTHER THAN UNITED STATES GOODS.

(a) Chemical Weapons Antidote.—Section 2534(c) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(5) Chemical weapons antidote.—Subsections (a)(2) and (b)(2) shall cease to be effective on October 1, 2018.”.


SEC. 814. COMPTROLLER GENERAL REPORT ON HEALTH AND SAFETY RECORDS.

(1) In general.—Not later than one year after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the Secretary of Defense and the congressional defense committees a report on the safety and health records of Department of Defense contractors.

(2) Elements.—The report required under paragraph (1) shall include the following elements:
(A) A description of the existing procedures of the Department of Defense to evaluate the safety and health records of current and prospective contractors.

(B) An evaluation of the adherence of the Department of Defense to such procedures.

(C) An assessment of the current incidence of safety and health violations by Department of Defense contractors.

(D) An assessment of whether the Secretary of Labor has the resources to investigate and identify safety and health violations by Department of Defense contractors.

(E) An assessment of whether the Secretary of Labor should consider assuming an expanded investigatory role or a targeted enforcement program for ensuring the safety and health of individuals working under Department of Defense contracts.

SEC. 815. LIMITATION ON UNILATERAL DEFINITIZATION.

(a) LIMITATION.—Section 2326 of title 10, United States Code, is amended—

(1) by redesignating subsections (e), (d), (e), (f), (g), (h), and (i) as subsections (d), (e), (f), (g), (h), (i), and (j) respectively; and
(2) by inserting after subsection (b) the follow-

lowing new subsection (c):

“(c) LIMITATION ON UNILATERAL DEFINITIZATION

BY CONTRACTING OFFICER.—With respect to any

undefinitized contractual action with a value greater than

$50,000,000, if agreement is not reached on contractual

terms, specifications, and price within the period or by the
date provided in subsection (b)(1), the contracting officer

may not unilaterally definitize those terms, specifications,
or price over the objection of the contractor until—

“(1) the service acquisition executive for the

military department that awarded the contract, or

the Under Secretary of Defense for Acquisition and

Sustainment if the contract was awarded by a De-
fense Agency or other component of the Department

of Defense, approves the definitization in writing;

“(2) the contracting officer provides a copy of

the written approval to the contractor; and

“(3) a period of 30 calendar days has elapsed

after the written approval is provided to the con-

tractor.”.

(b) CONFORMING AMENDMENT.—Section 2326(b)(3)
of such title is amended by striking “subsection (g)” and

inserting “subsection (h)”.
(c) CONFORMING REGULATIONS.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall revise the Department of Defense Supplement to the Federal Acquisition Regulation to implement section 2326 of title 10, United States Code, as amended by this section.

SEC. 816. AMENDMENT TO SUSTAINMENT REVIEWS.

Section 2441(a) of title 10, United States Code, is amended by adding at the end the following: “The Secretary concerned shall make the memorandum and supporting documentation for each sustainment review available to the Under Secretary of Defense for Acquisition and Sustainment within 30 days after the review is completed.”

SEC. 817. USE OF PROGRAM INCOME BY ELIGIBLE ENTITIES THAT CARRY OUT PROCUREMENT TECHNICAL ASSISTANCE PROGRAMS.

Section 2414 of title 10, United States Code, is amended—

(1) in the section heading, by striking “LIMITATION” and inserting “FUNDING”; and

(2) by adding at the end the following new subsection:

“(d) USE OF PROGRAM INCOME.—
“(1) An eligible entity that earned income in a specified fiscal year from activities carried out pursuant to a procurement technical assistance program funded under this chapter may expend an amount of such income, not to exceed 25 percent of the cost of furnishing procurement technical assistance in such specified fiscal year, during the fiscal year following such specified fiscal year, to carry out a procurement technical assistance program funded under this chapter.

“(2) An eligible entity that does not enter into a cooperative agreement with the Secretary for a fiscal year—

“(A) shall notify the Secretary of the amount of any income the eligible entity carried over from the previous fiscal year; and

“(B) may retain an amount of such income equal to 10 percent of the value of assistance furnished by the Secretary under this section during the previous fiscal year.

“(3) In determining the value of assistance furnished by the Secretary under this section for any fiscal year, the Secretary shall account for the amount of any income the eligible entity carried over from the previous fiscal year.”.
SEC. 818. ENHANCED POST-AWARD DEBRIEFING RIGHTS.

(a) RELEASE OF CONTRACT AWARD INFORMATION.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall revise the Department of Defense Supplement to the Federal Acquisition Regulation to require that all required post-award debriefings, while protecting the confidential and proprietary information of other offerors, include, at a minimum, the following:

(1) In the case of a contract award in excess of $100,000,000, a requirement for disclosure of the agency’s written source selection award determination, redacted to protect the confidential and proprietary information of other offerors for the contract award, and, in the case of a contract award in excess of $10,000,000 and not in excess of $100,000,000 with a small business or nontraditional contractor, an option for the small business or nontraditional contractor to request such disclosure.

(2) A requirement for a written or oral debriefing for all contract awards and task or delivery orders valued at $10,000,000 or higher.

(3) Provisions ensuring that both unsuccessful and winning offerors are entitled to the disclosure described in paragraph (1) and the debriefing described in paragraph (2).
(4) Robust procedures, consistent with section 2305(b)(5)(D) of title 10, United States Code, and provisions implementing that section in the Federal Acquisition Regulation, to protect the confidential and proprietary information of other offerors.

(b) OPPORTUNITY FOR FOLLOW-UP QUESTIONS.—

Section 2305(b)(5) of title 10, United States Code, is amended—

(1) by redesignating subparagraphs (C), (D), and (E) as subparagraphs (D), (E), and (F), respectively;

(2) in subparagraph (B)—

(A) in clause (v), by striking ‘‘; and’’ and inserting a semicolon;

(B) in clause (vi), by striking the period at the end and inserting ‘‘; and’’; and

(C) by adding at the end the following new clause:

‘‘(vii) an opportunity for a disappointed offeror to submit, within two business days after receiving a post-award debriefing, additional questions related to the debriefing.’’; and

(3) by inserting after subparagraph (B) the following new subparagraph:
“(C) The agency shall respond in writing to any additional question submitted under subparagraph (B)(vii) within five business days after receipt of the question. The agency shall not consider the debriefing to be concluded until the agency delivers its written responses to the disappointed offeror.”.

(e) Commencement of Post-briefing Period.—

Section 3553(d)(4) of title 31, United States Code, is amended—

(1) by redesignating subparagraphs (A) and (B) as clauses (i) and (ii) respectively;

(2) by striking “‘The period”’ and inserting “‘(A) The period’”; and

(3) by adding at the end the following new subparagraph:

“(B) For procurements conducted by any component of the Department of Defense, the 5-day period described in subparagraph (A)(ii) does not commence until the day the Government delivers to a disappointed offeror the written responses to any questions submitted pursuant to section 2305(b)(5)(B)(vii) of title 10.’’.

SEC. 819. AMENDMENTS RELATING TO INFORMATION TECHNOLOGY.

(a) Elimination of Sunset Relating to Transparency and Risk Management of Major Information
TION TECHNOLOGY INVESTMENTS.—Subsection (c) of section 11302 of title 40, United States Code, is amended by striking the first paragraph (5).

(b) ELIMINATION OF SUNSET RELATING TO INFORMATION TECHNOLOGY PORTFOLIO, PROGRAM, AND RESOURCE REVIEWS.—Section 11319 of title 40, United States Code, is amended—

(1) by redesignating the second subsection (c) as subsection (d); and

(2) in subsection (d), as so redesignated, by striking paragraph (6).

(c) EXTENSION OF SUNSET RELATING TO FEDERAL DATA CENTER CONSOLIDATION INITIATIVE.—Subsection (e) of section 834 of the National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 44 U.S.C. 3601 note) is amended by striking “2018” and inserting “2020”.

SEC. 820. CHANGE TO DEFINITION OF SUBCONTRACT IN CERTAIN CIRCUMSTANCES.

Section 1906(c)(1) of title 41, United States Code, is amended by adding at the end the following: “The term does not include agreements entered into by a contractor for the supply of commodities that are intended for use in the performance of multiple contracts with the Federal
Government and other parties and are not identifiable to any particular contract.”.

SEC. 821. AMENDMENT RELATING TO APPLICABILITY OF INFLATION ADJUSTMENTS.

Section 1908(d) of title 41, United States Code, is amended by inserting before the period at the end the following: “and shall apply, in the case of the procurement of property or services by contract, to a contract, and any subcontract at any tier under the contract, in effect on that date without regard to the date of award of the contract or subcontract.”.

SEC. 822. USE OF LOWEST PRICE TECHNICALLY ACCEPTABLE SOURCE SELECTION PROCESS.

(a) ADDITIONAL REQUIREMENTS.—Subsection (b) of section 813 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat 2270; 10 U.S.C. 2305 note) is amended—

(1) in paragraph (5), by striking “; and” and inserting a semicolon;

(2) in paragraph (6), by striking the period at the end and inserting a semicolon; and

(3) by adding at the end the following new paragraphs:

“(7) the Department of Defense would realize no, or minimal, additional innovation or future tech-
nological advantage by using a different method-
ology; and

“(8) with respect to a contract for procurement
of goods, the goods procured are predominantly ex-
pendable in nature, nontechnical, or have a short life
expectancy or short shelf life.”.

(b) REPORTING REQUIREMENT.—

(1) In general.—Subsection (d) of such sec-
tion is amended by striking “contract exceeding
$10,000,000” and inserting “contract exceeding
$5,000,000”.

(2) Applicability.—The amendment made by
this subsection shall apply with respect to the sec-
ond, third, and fourth reports submitted under sub-
section (d) of section 813 of the National Defense
Authorization Act for Fiscal Year 2017 (Public Law

SEC. 823. EXEMPTION FROM DESIGN-BUILD SELECTION
PROCEDURES.

Subsection (d) of section 2305a of title 10, United
States Code, is amended by striking the second and third
sentences and inserting the following: “If the contract
value exceeds $4,000,000, the maximum number specified
in the solicitation shall not exceed 5 unless—
“(1) the solicitation is issued pursuant to an indefinite delivery-indefinite quantity contract for design-build construction; or

“(2)(A) the head of the contracting activity, delegable to a level no lower than the senior contracting official within the contracting activity, approves the contracting officer’s justification with respect to an individual solicitation that a maximum number greater than 5 is in the interest of the Federal Government; and

“(B) the contracting officer provides written documentation of how a maximum number greater than 5 is consistent with the purposes and objectives of the two-phase selection procedures.”.

SEC. 824. CONTRACT CLOSEOUT AUTHORITY.

Section 836(b)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2286) is amended by striking “entered into prior to fiscal year 2000” and inserting “entered into on a date that is at least 17 fiscal years before the current fiscal year”.

SEC. 825. ELIMINATION OF COST UNDERRUNS AS FACTOR IN CALCULATION OF PENALTIES FOR COST OVERRUNS.

(a) In General.—Section 828 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2430 note) is amended—

(1) in subsection (a), by striking “each fiscal year beginning with fiscal year 2015” and inserting “each of fiscal years 2018 through 2022”;

(2) in subsection (b)—

(A) in paragraph (1), by striking “or underrun”;

(B) in paragraph (2)—

(i) by striking “or underruns”; and

(ii) by striking “,Technology, and Logistics” and inserting “and Sustainment”;

(C) in paragraph (3)—

(i) by striking “and cost underruns”; and

(ii) by striking “or underruns”; and

(D) in paragraph (4), by striking “, except that the cost overrun penalty may not be a negative amount”;

(3) by redesignating subsections (c) and (d) as subsections (d) and (e), respectively;
(4) by inserting after subsection (b) the following new subsection:

“(c) TOTAL COST OVERRUN PENALTY.—Notwithstanding the amount of a cost overrun penalty determined in (b), the total cost overrun penalty for a military department (including any cost overrun penalty for joint programs of military departments) for a fiscal year may not exceed $50,000,000.”; and

(5) in subsection (d) (as so redesignated)—

(A) in paragraph (1)—

(i) in the paragraph heading, by inserting “OR PROCUREMENT” after “EVALUATION”;

(ii) by striking “each fiscal year beginning with fiscal year 2015” and inserting “each of fiscal years 2018 through 2022”;

(iii) by striking “each research” and inserting “the research”;

(iv) by striking “evaluation account” and inserting “evaluation or procurement accounts”; and

(v) by striking “percentage” and inserting “amount”; and

(B) in paragraph (2)—
(i) in the paragraph heading, by striking “AMOUNT” and inserting “AMOUNTS”; 
(ii) by striking “percentage reduction” and inserting “reductions”; 
(iii) by striking “evaluation accounts” and inserting “evaluation or procurement accounts”; 
(iv) by striking “paragraph (1) is the percentage reduction” and inserting “paragraph (1) are the reductions”; and 
(v) by inserting “, when combined,” after “equal”.

(b) PRIOR FISCAL YEARS.—The requirements of section 828 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2430 note), as in effect on the day before the date of the enactment of this Act, shall continue to apply with respect to fiscal years beginning on or before October 1, 2016.

SEC. 826. MODIFICATION TO ANNUAL MEETING REQUIREMENT OF CONFIGURATION STEERING BOARDS.

(1) by striking “The Secretary” and inserting

“(A) ANNUAL MEETING.—Except as pro-
vided in subparagraph (B), the Secretary”; and

(2) by adding at the end the following new sub-
paragraph:

“(B) EXCEPTION.—If the service acquisi-
tion executive of the military department con-
cerned determines, in writing, that there have
been no changes to the program requirements
of a major defense acquisition program during
the preceding year, the Configuration Steering
Board for such major defense acquisition pro-
gram is not required to meet as described in
subparagraph (A).”.

SEC. 827. PILOT PROGRAM ON PAYMENT OF COSTS FOR DE-
NIED GOVERNMENT ACCOUNTABILITY OFF-
ICE BID PROTESTS.

(a) PILOT PROGRAM REQUIRED.—The Secretary of
Defense shall carry out a pilot program to determine the
effectiveness of requiring contractors to reimburse the De-
partment of Defense for costs incurred in processing cov-
ered protests.

(b) DURATION.—The pilot program shall—

(1) begin on the date that is two years after the
date of the enactment of this Act; and
(2) end on the date that is five years after the date of the enactment of this Act.

(c) REPORT.—Not later than 90 days after the date on which the pilot program under subsection (a) ends, the Secretary shall provide a report to the Committees on Armed Services of the House of Representatives and the Senate assessing the feasibility of making permanent such pilot program.

(d) COVERED PROTEST DEFINED.—In this section, the term “covered protest” means a bid protest that was—

(1) denied in an opinion issued by the Government Accountability Office;

(2) filed by a party with revenues in excess of $250,000,000 (based on fiscal year 2017 constant dollars) during the previous year; and

(3) filed on or after October 1, 2019 and on or before September 30, 2022.

Subtitle C—Provisions Relating to Major Defense Acquisition Programs

SEC. 831. REVISIONS TO DEFINITION OF MAJOR DEFENSE ACQUISITION PROGRAM.

Section 2430(a) of title 10, United States Code, is amended—
(1) in paragraph (1)(B), by inserting “in the case of a program that is not a program for the acquisition of an automated information system (either a product or a service),” after “(B)”; and

(2) in paragraph (2)—

(A) by striking “does not include an acquisition program” and inserting the following: “does not include—

“(A) an acquisition program”; and

(B) by striking the period at the end and inserting the following: “; or

“(B) an acquisition program for a defense business system (as defined in section 2222(i)(1) of this title) carried out using the acquisition guidance issued pursuant to section 883(e) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2223a note).”.

SEC. 832. PROHIBITION ON USE OF LOWEST PRICE TECHNICALLY ACCEPTABLE SOURCE SELECTION PROCESS FOR MAJOR DEFENSE ACQUISITION PROGRAMS.

(a) Prohibition.—

(1) In general.—Chapter 144 of title 10, United States Code, is amended by inserting after section 2441 the following new section:
§ 2442. Prohibition on use of lowest price technically acceptable source selection process

(a) In General.—The Department of Defense shall not use a lowest price technically acceptable source selection process for the engineering and manufacturing development contract of a major defense acquisition program.

(b) Definitions.—In this section:

(1) Lowest price technically acceptable source selection process.—The term ‘lowest price technically acceptable source selection process’ has the meaning given that term in part 15 of the Federal Acquisition Regulation.

(2) Major defense acquisition program.—The term ‘major defense acquisition program’ has the meaning given that term in section 2430 of this title.

(3) Engineering and manufacturing development contract.—The term ‘engineering and manufacturing development contract’ means a prime contract for the engineering and manufacturing development of a major defense acquisition program.”.

(2) Clerical amendment.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2441 the following new item:
“2442. Prohibition on use of lowest price technically acceptable source selection process.”.

(b) APPLICABILITY.—The requirements of section 2442 of title 10, United States Code, as added by subsection (a), shall apply to major defense acquisition programs for which budgetary authority is requested for fiscal year 2019 or a subsequent fiscal year.

SEC. 833. ROLE OF THE CHIEF OF THE ARMED FORCE IN MATERIAL DEVELOPMENT DECISION AND ACQUISITION SYSTEM MILESTONES.

Section 2547(b) of title 10, United States Code, is amended—

(1) by striking “The Secretary” and inserting “(1) The Secretary”; and

(2) by adding at the end the following new paragraph:

“(2) Consistent with the performance of duties under subsection (a), the Chief of the armed force concerned, or in the case of a joint program the chiefs of the armed forces concerned, with respect to major defense acquisition programs, shall—

“(A) concur with the need for a material solution as identified in the Material Development Decision Review prior to entry into the Material Solution Analysis Phase under Department of Defense Instruction 5000.02;
“(B) concur with the cost, schedule, technical feasibility, and performance trade-offs that have been made with regard to the program before Milestone A approval is granted under section 2366a of this title;

“(C) concur that appropriate trade-offs among cost, schedule, technical feasibility, and performance objectives have been made to ensure that the program is affordable when considering the per unit cost and the total life-cycle cost before Milestone B approval is granted under section 2366b of this title; and

“(D) concur that the requirements in the program capability document are necessary and realistic in relation to program cost and fielding targets as required by paragraph (1) before Milestone C approval is granted.”

SEC. 834. REQUIREMENT TO EMPHASIZE RELIABILITY AND MAINTAINABILITY IN WEAPON SYSTEM DESIGN.

(a) Sustainment Factors in Weapon System Design.—

(1) In general.—Chapter 144 of title 10, United States Code, as amended by section 832, is
further amended by adding at the end the following new section:

“§ 2443. Sustainment factors in weapon system design

“(a) In General.—The Secretary of Defense shall ensure that the defense acquisition system gives ample emphasis to sustainment factors, particularly those factors that are affected principally by the design of a weapon system, in the development of a weapon system.

“(b) Requirements Process.—The Secretary shall ensure that reliability and maintainability are included in the performance attributes of the key performance parameter on sustainment during the development of capabilities requirements.

“(c) Solicitation and Award of Contracts.—

“(1) Requirement.—The program manager of a weapon system shall include in the solicitation for and terms of a covered contract for the weapon system clearly defined and measurable requirements for engineering activities and design specifications for reliability and maintainability.

“(2) Exception.—If the program manager determines that engineering activities and design specifications for reliability or maintainability should not be a requirement in a covered contract or a solicitation for such a contract, the program manager shall
document in writing the justification for the decision.

“(3) SOURCE SELECTION CRITERIA.—The Secretary shall ensure that sustainment factors, including reliability and maintainability, are given ample emphasis in the process for source selection. The Secretary shall encourage the use of objective reliability and maintainability criteria in the evaluation of competitive proposals.

“(d) CONTRACT PERFORMANCE.—

“(1) IN GENERAL.—The Secretary shall ensure that the Department of Defense uses best practices for responding to the positive or negative performance of a contractor in meeting the sustainment requirements of a covered contract for a weapon system. The Secretary shall encourage the use of incentive fees and penalties as appropriate and authorized in paragraph (2) in all covered contracts for weapons systems.

“(2) AUTHORITY FOR INCENTIVE FEES AND PENALTIES.—The Secretary of Defense is authorized to include in any covered contract provisions for the payment of incentive fees to the contractor based on achievement of design specification requirements for reliability and maintainability of weapons sys-
tems under the contract, or the imposition of penalties to be paid by the contractor to the Government for failure to achieve such design specification requirements. Information about such fees or penalties shall be included in the solicitation for any covered contract that includes such fees or penalties.

“(3) Measurement of Reliability and Maintainability.—In carrying out paragraph (2), the program manager shall base determinations of a contractor’s performance on reliability and maintainability data collected during the program. Such data collection and associated evaluation metrics shall be described in detail in the covered contract. To the maximum extent practicable, such data shall be shared with appropriate contractor and government organizations.

“(4) Notification.—The Secretary of Defense shall notify the congressional defense committees upon entering into a covered contract that includes incentive fees or penalties authorized in paragraph (2).

“(e) Covered Contract Defined.—In this section, the term ‘covered contract’, with respect to a weapon system, means a contract—
“(1) for the engineering and manufacturing development of a weapon system, including embedded software; or

“(2) for the production of a weapon system, including embedded software.”.

(2) Clerical Amendment.—The table of sections at the beginning of subchapter I of such chapter, as amended by section 832, is further amended by adding at the end the following new item:

“2443. Sustainment factors in weapon system design.”.

(b) Effective Date for Certain Provisions.—Subsections (c) and (d) of section 2443 of title 10, United States Code, as added by subsection (a), shall apply with respect to any covered contract (as defined in that section) for which the contract solicitation is issued on or after the date occurring one year after the date of the enactment of this Act.

(c) Engineering Change Authorized.—Subject to the availability of appropriations, the Secretary of Defense may fund engineering changes to the design of a weapon system in the engineering and manufacturing development phase or in the production phase of an acquisition program to improve reliability or maintainability of the weapon system and reduce projected operating and support costs.
SEC. 835. LICENSING OF APPROPRIATE INTELLECTUAL PROPERT Y TO SUPPORT MAJOR WEAPON SYSTEMS.

(a) Negotiation of Price for Technical Data Before Development or Production of Major Weapon System.—

(1) Requirement.—Chapter 144 of title 10, United States Code, is amended by inserting after section 2438 the following new section:

“§ 2439. Negotiation of price for technical data before development or production of major weapon systems

“The Secretary of Defense shall ensure that the Department of Defense, before selecting a contractor for the engineering and manufacturing development of a major weapon system, or for the production of a major weapon system, negotiates a price for technical data to be delivered under a contract for such development or production.”.

(2) Clerical Amendment.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2438 the following new item:

“2439. Negotiation of price for technical data before development or production of major weapon systems.”.
(3) **Effective Date.**—Section 2439 of title 10, United States Code, as added by paragraph (1), shall apply with respect to any contract for engineering and manufacturing development of a major weapon system, or for the production of a major weapon system, for which the contract solicitation is issued on or after the date occurring one year after the date of the enactment of this Act.

(b) **Written Determination for Milestone B Approval.**—

(1) **In General.**—Subsection (a)(3) of section 2366b of title 10, United States Code, is amended—

(A) by striking “and” at the end of subparagraph (M); and

(B) by inserting after subparagraph (N) the following new subparagraph:

“(O) appropriate actions have been taken to negotiate and enter into a contract or contract options for the technical data required to support the program; and”.

(2) **Effective Date.**—Section 2366b(a)(3)(O) of title 10, United States Code, as added by paragraph (1), shall apply with respect to any major defense acquisition program receiving Milestone B ap-
proval on or after the date occurring one year after
the date of the enactment of this Act.

(c) PREFERENCE FOR NEGOTIATION OF CUS-

(1) by redesignating subsections (f) and (g) as
subsections (g) and (h), respectively; and

(2) by inserting after subsection (e) the fol-
owing new subsection (f):

“(f) PREFERENCE FOR SPECIALLY NEGOTIATED LI-
censes.—The Secretary of Defense shall, to the max-
imum extent practicable, negotiate and enter into a con-
tract with a contractor for a specially negotiated license
for technical data to support the product support strategy
of a major weapon system or subsystem of a major weapon
system. In performing the assessment and developing the

corresponding strategy required under subsection (e) for
such a system or subsystem, a program manager shall
consider the use of specially negotiated licenses to acquire
customized technical data appropriate for the particular
elements of the product support strategy.”.
SEC. 836. CODIFICATION OF REQUIREMENTS PERTAINING TO ASSESSMENT, MANAGEMENT, AND CONTROL OF OPERATING AND SUPPORT COSTS FOR MAJOR WEAPON SYSTEMS.

(a) Codification and Amendment.—

(1) In general.—Chapter 137 of title 10, United States Code, is amended by inserting after section 2337 the following new section:

“§ 2337a. Assessment, management, and control of operating and support costs for major weapon systems

“(a) Guidance Required.—The Secretary of Defense shall issue and maintain guidance on actions to be taken to assess, manage, and control Department of Defense costs for the operation and support of major weapon systems.

“(b) Elements.—The guidance required by subsection (a) shall, at a minimum—

“(1) be issued in conjunction with the comprehensive guidance on life-cycle management and the development and implementation of product support strategies for major weapon systems required by section 2337 of this title;

“(2) require the military departments to retain each estimate of operating and support costs that is developed at any time during the life cycle of a
major weapon system, together with supporting doc-
umentation used to develop the estimate;

“(3) require the military departments to update
estimates of operating and support costs periodically
throughout the life cycle of a major weapon system,
to determine whether preliminary information and
assumptions remain relevant and accurate, and iden-
tify and record reasons for variances;

“(4) establish policies and procedures for the
collection, organization, maintenance, and avail-
ability of standardized data on operating and sup-
port costs for major weapon systems in accordance
with section 2222 of this title;

“(5) establish standard requirements for the
collection and reporting of data on operating and
support costs for major weapon systems by contrac-
tors performing weapon system sustainment func-
tions in an appropriate format, and develop contract
clauses to ensure that contractors comply with such
requirements;

“(6) require the military departments—

“(A) to collect and retain data from oper-
ational and developmental testing and evalua-
tion on the reliability and maintainability of
major weapon systems; and
“(B) to use such data to inform system design decisions, provide insight into sustainment costs, and inform estimates of operating and support costs for such systems;

“(7) require the military departments to ensure that sustainment factors are fully considered at key life-cycle management decision points and that appropriate measures are taken to reduce operating and support costs by influencing system design early in development, developing sound sustainment strategies, and addressing key drivers of costs;

“(8) require the military departments to conduct an independent logistics assessment of each major weapon system prior to key acquisition decision points (including milestone decisions) to identify features that are likely to drive future operating and support costs, changes to system design that could reduce such costs, and effective strategies for managing such costs;

“(9) include—

“(A) reliability metrics for major weapon systems; and

“(B) requirements on the use of metrics under subparagraph (A) as triggers—
“(i) to conduct further investigation and analysis into drivers of those metrics; and

“(ii) to develop strategies for improving reliability, availability, and maintainability of such systems at an affordable cost; and

“(10) require the military departments to conduct periodic reviews of operating and support costs of major weapon systems after such systems achieve initial operational capability to identify and address factors resulting in growth in operating and support costs and adapt support strategies to reduce such costs.

“(c) RETENTION OF DATA ON OPERATING AND SUPPORT COSTS.—

“(1) IN GENERAL.—The Director of Cost Assessment and Program Evaluation shall be responsible for developing and maintaining a database on operating and support estimates, supporting documentation, and actual operating and support costs for major weapon systems.

“(2) SUPPORT.—The Secretary of Defense shall ensure that the Director, in carrying out such responsibility—
“(A) promptly receives the results of all cost estimates and cost analyses conducted by the military departments with regard to operating and support costs of major weapon systems;

“(B) has timely access to any records and data of the military departments (including classified and proprietary information) that the Director considers necessary to carry out such responsibility; and

“(C) with the concurrence of the Under Secretary of Defense for Acquisition and Sustainment, may direct the military departments to collect and retain information necessary to support the database.

“(d) MAJOR WEAPON SYSTEM DEFINED.—In this section, the term ‘major weapon system’ has the meaning given that term in section 2379(f) of title 10, United States Code.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 137 of such title is amended by adding after the item relating to section 2337 the following new item:

“2337a. Assessment, management, and control of operating and support costs for major weapon systems.”.

(b) REPEAL OF SUPERSEDED SECTION.—
(1) **REPEAL.**—Section 832 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 10 U.S.C. 2430 note) is repealed.

(2) **CONFORMING AMENDMENT.**—Section 2441(c) of title 10, United States Code, is amended by striking “section 2337 of this title” and all that follows through the period and inserting “sections 2337 and 2337a of this title.”.

**SEC. 837. SHOULD-COST MANAGEMENT.**

(a) **REQUIREMENT FOR REGULATIONS.**—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall amend the Defense Supplement to the Federal Acquisition Regulation to provide for the appropriate use of the should-cost review process of a major weapon system in a manner that is transparent, objective, and provides for the efficiency of the systems acquisition process in the Department of the Defense.

(b) **REQUIRED ELEMENTS.**—The regulations required under subsection (a) shall incorporate, at a minimum, the following elements:

(1) A description of the features of the should-cost review process.

(2) Establishment of a process for communicating with the prime contractor on the program the elements of a proposed should-cost review.
(3) A method for ensuring that identified should-cost savings opportunities are based on accurate, complete, and current information and can be quantified and tracked.

(4) A description of the training, skills, and experience that Department of Defense and contractor officials carrying out a should-cost review in subsection (a) should possess.

(5) A method for ensuring appropriate collaboration with the contractor throughout the review process.

(6) Establishment of review process requirements that provide for sufficient analysis and minimize any impact on program schedule.

**SEC. 838. IMPROVEMENTS TO TEST AND EVALUATION PROCESSES AND TOOLS.**

(a) DEVELOPMENTAL TEST PLAN SUFFICIENCY ASSESSMENTS.—

(1) ADDITION TO MILESTONE B BRIEF SUMMARY REPORT.—Section 2366b(c)(1) of title 10, United States Code, is amended—

(A) by redesignating subparagraph (G) as subparagraph (H); and

(B) by inserting after subparagraph (F) the following new subparagraph (G):
“(G) An assessment of the sufficiency of developmental test and evaluation plans, including the use of automated data analytics or modeling and simulation tools and methodologies.”.

(2) ADDITION TO MILESTONE C BRIEF SUMMARY REPORT.—Section 2366c(a) of such title is amended by inserting after paragraph (3) the following new paragraph:

“(4) An assessment of the sufficiency of the developmental test and evaluation completed, including the use of automated data analytics or modeling and simulation tools and methodologies.”.

(3) RESPONSIBILITY FOR CONDUCTING ASSESSMENTS.—For purposes of the sufficiency assessments required by section 2366b(c)(1) and section 2366c(a)(4) of such title, as added by paragraphs (1) and (2), with respect to a major defense acquisition program—

(A) if the milestone decision authority for the program is the service acquisition executive of the military department that is managing the program, the sufficiency assessment shall be conducted by the senior official within the military department with responsibility for developmental testing; and
if the milestone decision authority for
the program is the Under Secretary of Defense
for Acquisition and Sustainment, the sufficiency
assessment shall be conducted by the senior De-
partment of Defense official with responsibility
for developmental testing.

(4) GUIDANCE REQUIRED.—Within one year
after the date of the enactment of this Act, the sen-
ior Department of Defense official with responsi-
bility for developmental testing shall develop guid-
ance for the sufficiency assessments required by sec-
tion 2366b(e)(1) and section 2366c(a)(4) of title 10,
United States Code, as added by paragraphs (1) and
(2). At a minimum, the guidance shall require—

(A) for the sufficiency assessment required
by section 2366b(e)(1) of such title, that the as-
essment address the sufficiency of—

(i) the developmental test and evalua-
tion plan;

(ii) the developmental test and evalua-
tion schedule, including a comparison to
historic analogous systems;

(iii) the developmental test and eval-
uation resources (facilities, personnel, test
assets, data analytics tools, and modeling
and simulation capabilities);

(iv) the risks of developmental test
and production concurrency; and

(v) the developmental test criteria for
entering the production phase; and

(B) for the sufficiency assessment required
by section 2366c(a)(4) of such title, that the as-
essment address—

(i) the sufficiency of the develop-
mental test and evaluation completed;

(ii) the sufficiency of the plans and
resources available for remaining develop-
mental test and evaluation;

(iii) the risks identified during devel-
opmental testing to the production and de-
ployment phase;

(iv) the sufficiency of the plans and
resources for remaining developmental test
and evaluation; and

(v) the readiness of the system to per-
form scheduled initial operational test and
evaluation.

(b) Evaluation of Department of Defense
Need for Centralized Tools for Developmental
TEST AND EVALUATION.—The Secretary of Defense shall evaluate the strategy of the Department of Defense for developing and expanding the use of tools designed to facilitate the cost effectiveness and efficiency of developmental testing, including automated test methods and tools, modeling and simulation tools, and data analytics technologies. The evaluation shall include a determination of the appropriate role of the senior Department of Defense official with responsibility for developmental testing in developing enterprise level strategies related to such types of testing tools.

SEC. 839. ENHANCEMENTS TO TRANSPARENCY IN TEST AND EVALUATION PROCESSES AND DATA.

(a) ADDITIONAL TEST AND EVALUATION DUTIES OF MILITARY SECRETARIES AND DEFENSE AGENCY HEADS.—

(1) REPORT ON COMPARISON OF OPERATIONAL TEST AND EVALUATION RESULTS TO LEGACY ITEMS OR COMPONENTS.—Concurrent with the submission of a report required under section 2399(b)(2) of title 10, United States Code, the Secretary of a military department or the head of a Defense Agency may provide to the congressional defense committees and the Secretary of Defense a report describing of the performance of the items or components evaluated...
as part of the operational test and evaluation for each major defense acquisition program conducted under such section by the Director of Operational Test and Evaluation in relation to comparable legacy items or components, if such items or components exist and relevant data are available without requiring additional testing.

(2) ADDITIONAL REPORT ON OPERATIONAL TEST AND EVALUATION ACTIVITIES.—Within 45 days after the submission of an annual report required by section 139(h) of title 10, United States Code, the Secretaries of the military departments may each submit to the congressional defense committees a report addressing any concerns related to information included in the annual report, or providing updated or additional information, as appropriate.

(b) REQUIREMENTS FOR COLLECTION OF COST DATA ON TEST AND EVALUATION.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act and subject to paragraph (2), the Director of Operational Test and Evaluation, the senior official of the Department of Defense with responsibility for developmental testing, and the Director of the Test Re-
source Management Center shall jointly develop policies, procedures, guidance, and a method to collect data that ensures that consistent and high quality data are collected on the full range of estimated and actual developmental, live fire, and operational testing costs for major defense acquisition programs.

(2) CONCURRENCE AND COORDINATION REQUIRED.—Before implementing the policies, procedures, guidance, and method developed under paragraph (1), the Director of Operational Test and Evaluation, the senior official of the Department of Defense with responsibility for developmental testing, and the Director of the Test Resource Management Center shall—

(A) obtain the concurrence of the Director for Cost Assessment and Program Evaluation; and

(B) coordinate with the Secretaries of the military departments.

(3) DATA REQUIREMENTS.—

(A) ELECTRONIC DATABASE.—Data on estimated and actual developmental, live fire, and operational testing costs shall be maintained in an electronic database maintained by the Director for Cost Assessment and Program Evalua-
tion or another appropriate official of the Department of Defense, and shall be made available for analysis by testing, acquisition, and other appropriate officials of the Department of Defense, as determined by the Director of Operational Test and Evaluation, the senior official of the Department of Defense with responsibility for developmental testing, or the Director of the Test Resource Management Center.

(B) **D**IAGGREGATION BY COSTS.—To the maximum extent practicable, data collected under this subsection shall be set forth separately by costs for developmental testing, operational testing, and training.

(e) **M**AJOR **D**EFENSE **A**CQUISITION **P**ROGRAM **D**EFINEd.—In this section, the term “major defense acquisition program” has the meaning provided in section 2430 of title 10, United States Code.

**Subtitle D—Provisions Relating to Acquisition Workforce**

**SEC. 841. ENHANCEMENTS TO THE CIVILIAN PROGRAM MANAGEMENT WORKFORCE.**

(a) **E**STABLISHMENT OF **P**ROGRAM MANAGER **D**EVELOPMENT PROGRAM.—
(1) IN GENERAL.—The Secretary of Defense, in consultation with the Secretaries of the military departments, shall implement a program manager development program to provide for the professional development of high-potential, experienced civilian personnel. Personnel shall be competitively selected for the program based on their potential to become a program manager of a major defense acquisition program, as defined in section 2430 of title 10, United States Code. The program shall be administered and overseen by the Secretary of each military department, acting through the service acquisition executive for the department concerned.

(2) PLAN REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall provide to the Committees on Armed Services of the Senate and the House of Representatives a comprehensive plan to implement the program established under paragraph (1). In developing the plan, the Secretary of Defense shall seek the input of relevant external parties, including professional associations, other government entities, and industry. The plan shall include the following elements:
(A) An assessment of the minimum level of subject matter experience, education, years of experience, certifications, and other qualifications required to be selected into the program, set forth separately for current Department of Defense employees and for personnel hired into the program from outside the Department of Defense.

(B) A description of hiring flexibilities to be used to recruit qualified personnel from outside the Department of Defense.

(C) A description of the extent to which mobility agreements will be required to be signed by personnel selected for the program during their participation in the program and after their completion of the program. The use of mobility agreements shall be applied to help maximize the flexibility of the Department of Defense in assigning personnel, while not inhibiting the participation of the most capable candidates.

(D) A description of the tenure obligation required of personnel selected for the program.

(E) A plan for training during the course of the program, including training in leader-
ship, program management, engineering, finance and budgeting, market research, business acumen, contracting, supplier management, requirement setting and tradeoffs, intellectual property matters, and software.

(F) A description of career paths to be followed by personnel in the program in order to ensure that personnel in the program gain expertise in the program management functional career field competencies identified by the Department in existing guidance and the topics listed in subparagraph (E), including—

(i) a determination of the types of advanced educational degrees that enhance program management skills and the mechanisms available to the Department of Defense to facilitate the attainment of those degrees by personnel in the program;

(ii) a determination of required assignments to positions within acquisition programs, including position type and acquisition category of the program office;

(iii) a determination of required or encouraged rotations to career broadening
positions outside of acquisition programs;
and

(iv) a determination of how the pro-
gram will ensure the opportunity for a re-
quired rotation to industry of at least six
months to develop an understanding of in-
dustry motivation and business acumen,
such as by developing an industry ex-
change program for civilian program man-
gers, similar to the Corporate Fellows
Program of the Secretary of Defense.

(G) A general description of the number of
personnel anticipated to be selected into the
program, how frequently selections will occur,
how long personnel selected into the program
will participate in the program, and how per-
sonnel will be placed into an assignment at the
completion of the program.

(H) A description of benefits that will be
offered under the program using existing
human capital flexibilities to retain qualified
employees, such as student loan repayments,
bonuses, or pay banding.

(I) An assessment of personnel flexibilities
needed to allow the military departments and
the Defense Agencies to reassign or remove pro-
gram managers that do not perform effectively.

(J) A description of how the program will
be administered and overseen by the Secretaries
of each military department, acting through the
service acquisition executive for the department
concerned.

(K) A description of how the program will
be integrated with existing program manager
development efforts at each military depart-
ment.

(3) USE OF DEFENSE ACQUISITION WORKFORCE
DEVELOPMENT FUND.—Amounts in the Department
of Defense Acquisition Workforce Development
Fund (established under section 1705 of title 10,
United States Code) may be used to pay the base
salary of personnel in the program established under
paragraph (1) during the period of time such per-
sonnel are temporarily assigned to a developmental
rotation or training program anticipated to last at
least six months.

(4) IMPLEMENTATION.—The program estab-
lished under paragraph (1) shall be implemented not
later than September 30, 2019.
(b) **INDEPENDENT STUDY OF INCENTIVES FOR PROGRAM MANAGERS.**—

(1) **REQUIREMENT FOR STUDY.**—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall enter into a contract with an independent research entity described in paragraph (2) to carry out a comprehensive study of incentives for Department of Defense civilian and military program managers for major defense acquisition programs, including—

(A) additional pay options for program managers to provide incentives to senior civilian employees and military officers to accept and remain in program manager roles;

(B) a financial incentive structure to reward program managers for delivering capabilities on budget and on time; and

(C) a comparison between financial and non-financial incentive structures for program managers in the Department of Defense and an appropriate comparison group of private industry companies.

(2) **INDEPENDENT RESEARCH ENTITY.**—The entity described in this subsection is an independent research entity that is a not-for-profit entity or a
federally funded research and development center
with appropriate expertise and analytical capability.

(3) Reports.—

(A) To Secretary.—Not later than nine
months after the date of the enactment of this
Act, the independent research entity shall pro-
vide to the Secretary a report containing—

(i) the results of the study required by
paragraph (1); and

(ii) such recommendations to improve
the financial incentive structure of pro-
gram managers for major defense acquisi-
tion programs as the independent research
entity considers to be appropriate.

(B) To Congress.—Not later than 30
days after receipt of the report under subpara-
graph (A), the Secretary of Defense shall sub-
mit such report, together with any additional
views or recommendations of the Secretary, to
the congressional defense committees.

SEC. 842. CREDITS TO DEPARTMENT OF DEFENSE ACQUISI-
TION WORKFORCE DEVELOPMENT FUND.

Section 1705(d)(2)(D) of title 10, United States
Code, is amended to read as follows:
“(D) The Secretary of Defense may adjust the amount specified in subparagraph (C) for a fiscal year if the Secretary determines that the amount is greater or less than reasonably needed for purposes of the Fund for such fiscal year. The Secretary may not adjust the amount for a fiscal year to an amount that is more than $600,000,000 or less than $400,000,000.”.

SEC. 843. IMPROVEMENTS TO THE HIRING AND TRAINING OF THE ACQUISITION WORKFORCE.

(a) USE OF FUNDS FROM THE DEFENSE ACQUISITION WORKFORCE DEVELOPMENT FUND TO PAY SALARIES OF PERSONNEL TO MANAGE THE FUND.—

(1) IN GENERAL.—Subsection 1705(e) of title 10, United States Code, is amended—

(A) in paragraph (1)—

(i) by inserting “(A)” before “Subject to the provisions of this subsection”; and

(ii) by adding at the end the following new subparagraph:

“(B) Amounts in the Fund also may be used to pay salaries of personnel at the Office of the Secretary of Defense, military departments, and Defense Agencies to manage the Fund.”; and

(B) in paragraph (3)—
(i) by striking “and” at the end of subparagraph (C);

(ii) by striking the period and inserting “; and” at the end of subparagraph (D); and

(iii) by adding at the end the following new subparagraph:

“(E) describing the amount from the Fund that may be used to pay salaries of personnel at the Office of the Secretary of Defense, military departments, and Defense Agencies to manage the Fund and the circumstances under which such amounts may be used for such purpose.”.

(2) GUIDANCE.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall issue, and submit to the congressional defense committees, the policy guidance required by subparagraph (E) of section 1705(e)(3) of title 10, United States Code, as added by paragraph (1).

(b) COMPTROLLER GENERAL REVIEW OF EFFECTIVENESS OF HIRING AND RETENTION FLEXIBILITIES FOR ACQUISITION WORKFORCE PERSONNEL.—
(1) IN GENERAL.—Not later than June 30, 2019, the Comptroller General of the United States shall submit to the congressional defense committees a report on the effectiveness of hiring and retention flexibilities for the acquisition workforce.

(2) ELEMENTS.—The report under this subsection shall include the following:

(A) A determination of the extent to which the Department of Defense experiences challenges with recruitment and retention of the acquisition workforce, such as post-employment restrictions.

(B) A description of the hiring and retention flexibilities available to the Department to fill civilian acquisition positions and the extent to which the Department has used the flexibilities available to it to target critical or understaffed career fields.

(C) A determination of the extent to which the Department has the necessary data and metrics on its use of hiring and retention flexibilities for the civilian acquisition workforce to strategically manage the use of such flexibilities.
(D) An identification of the factors that affect the use of hiring and retention flexibilities for the civilian acquisition workforce.

(E) Recommendations for any necessary changes to the hiring and retention flexibilities available to the Department to fill civilian acquisition positions.

(F) A description of the flexibilities available to the Department to remove underperforming members of the acquisition workforce and the extent to which any such flexibilities are used.

(c) Assessment and Report Required on Business-Related Training for the Acquisition Workforce.—

(1) Assessment.—The Under Secretary of Defense for Acquisition and Sustainment shall conduct an assessment of the following:

(A) The effectiveness of industry certifications, other industry training programs, including fellowships, and training and education programs at educational institutions outside of the Defense Acquisition University available to defense acquisition workforce personnel.
(B) Gaps in knowledge of industry operations, industry motivation, and business acumen in the acquisition workforce.

(2) REPORT.—Not later than December 31, 2018, the Under Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report containing the results of the assessment conducted under this subsection.

(3) ELEMENTS.—The assessment and report under paragraphs (1) and (2) shall address the following:

(A) Current sources of training and career development opportunities, industry rotations, and other career development opportunities related to knowledge of industry operations, industry motivation, and business acumen for each acquisition position, as designated under section 1721 of title 10, United States Code.

(B) Gaps in training, industry rotations, and other career development opportunities related to knowledge of industry operations, industry motivation, and business acumen for each such acquisition position.
(C) Plans to address those gaps for each such acquisition position.

(D) Consideration of the role industry-taught classes and classes taught at educational institutions outside of the Defense Acquisition University could play in addressing gaps.

(d) COMPTROLLER GENERAL REVIEW OF ACQUISITION TRAINING FOR NON-ACQUISITION WORKFORCE PERSONNEL.—

(1) IN GENERAL.—Not later than June 30, 2019, the Comptroller General of the United States shall submit to the congressional defense committees a report on acquisition-related training for personnel working on acquisitions but not considered to be part of the acquisition workforce (as defined in section 101(18) of title 10, United States Code) (hereafter in this subsection referred to as “non-acquisition workforce personnel”).

(2) ELEMENTS.—The report shall address the following:

(A) The extent to which non-acquisition workforce personnel play a significant role in defining requirements, conducting market research, participating in source selection and
contract negotiation efforts, and overseeing contract performance.

(B) The extent to which the Department is able to identify and track non-acquisition workforce personnel performing the roles identified in subparagraph (A).

(C) The extent to which non-acquisition workforce personnel are taking acquisition training.

(D) The extent to which the Defense Acquisition Workforce Development Fund has been used to provide acquisition training to non-acquisition workforce personnel.

(E) A description of sources of funding other than the Fund that are available to and used by the Department to provide non-acquisition workforce personnel with acquisition training.

(F) The extent to which additional acquisition training is needed for non-acquisition workforce personnel, including the types of training needed, the positions that need the training, and any challenges to delivering necessary additional training.
SEC. 844. EXTENSION AND MODIFICATIONS TO ACQUISITION DEMONSTRATION PROJECT.

(a) Extension.—Section 1762(g) of title 10, United States Code, is amended by striking “December 31, 2020” and inserting “December 31, 2023”.

(b) Increase in Limit on Number of Participants.—Section 1762(e) of title 10, United States Code, is amended by striking “the demonstration project under this section may not exceed 120,000” and inserting “at any one time the demonstration project under this section may not exceed 130,000”.

(c) Implementation Strategy for Improvements in Acquisition Demonstration Project.—

(1) Strategy Required.—The Secretary of Defense shall develop an implementation strategy to address areas for improvement in the demonstration project required by section 1762 of title 10, United States Code, as identified in the second assessment of such demonstration project required by section 1762(e) of such title.

(2) Elements.—The strategy shall include the following elements:

(A) Actions that have been or will be taken to assess whether the flexibility to set starting salaries at different levels is being used appropriately by supervisors and managers to com-
pete effectively for highly skilled and motivated employees.

(B) Actions that have been or will be taken to assess reasons for any disparities in career outcomes across race and gender for employees in the demonstration project.

(C) Actions that have been or will be taken to strengthen the link between employee contribution and compensation for employees in the demonstration project.

(D) Actions that have been or will be taken to enhance the transparency of the pay system for employees in the demonstration project.

(E) A time frame and individual responsible for each action identified under subparagraphs (A) through (D).

(3) BRIEFING REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall provide a briefing to the Committees on Armed Services of the Senate and House of Representatives and the Committee on Oversight and Government Reform of the House of Representatives on the implementation strategy required by paragraph (1).
Subtitle E—Provisions Relating to Commercial Items

SEC. 846. PROCUREMENT THROUGH COMMERCIAL E-COMMERCE PORTALS.

(a) Establishment of Program.—The Administrator shall establish a program to procure commercial products through commercial e-commerce portals for purposes of enhancing competition, expediting procurement, enabling market research, and ensuring reasonable pricing of commercial products. The Administrator shall carry out the program in accordance with this section, through multiple contracts with multiple commercial e-commerce portal providers, and shall design the program to be implemented in phases with the objective of enabling Government-wide use of such portals.

(b) Use of Program.—The head of a department or agency may procure, as appropriate, commercial products for the department or agency using the program established pursuant to subsection (a).

(c) Implementation and Reporting Requirements.—The Director of the Office of Management and Budget, in consultation with the Administrator and the heads of other relevant departments and agencies, shall carry out the implementation phases set forth in, and sub-
mit to the appropriate congressional committees the items
of information required by, the following paragraphs:

(1) **Phase I: Implementation Plan.**—Not later than 90 days after the date of the enactment
of this Act, an implementation plan and schedule for carrying out the program established pursuant to
subsection (a), including a discussion and recom-

(2) **Phase II: Market Analysis and Con-
sultation.**—Not later than one year after the date
of the submission of the implementation plan and
schedule required under paragraph (1), recom-

(A) Market analysis and initial commu-

nications with potential commercial e-commerce
portal providers on technical considerations of
how the portals function (including the use of
standard terms and conditions of the portals by
the Government), the degree of customization
that can occur without creating a Government-
unique portal, the measures necessary to ad-
dress the considerations for supplier and prod-
uct screening specified in subsection (e), secu-
rity of data, considerations pertaining to non-
traditional Government contractors, and poten-
tial fees, if any, to be charged by the Adminis-
trator, the portal provider, or the suppliers for
participation in the program established pursuant
to subsection (a).

(B) Consultation with affected depart-
ments and agencies about their unique procure-
ment needs, such as supply chain risks for
health care products, information technology,
software, or any other category determined nec-
essary by the Administrator.

(C) An assessment of the products or
product categories that are suitable for pur-
chase on the commercial e-commerce portals.

(D) An assessment of the precautions nec-
essary to safeguard any information pertaining
to the Federal Government, especially pre-
cautions necessary to protect against national
security or cybersecurity threats.

(E) A review of standard terms and condi-
tions of commercial e-commerce portals in the
context of Government requirements.

(F) An assessment of the impact on exist-
ing programs, including schedules, set-asides
for small business concerns, and other pref-
ference programs.

(3) **Phase III: Program Implementation**

**Guidance.**—Not later than two years after the date
of the submission of the implementation plan and
schedule required under paragraph (1), guidance to
implement and govern the use of the program estab-
lished pursuant to subsection (a), including protocols
for oversight of procurement through the program,
and compliance with laws pertaining to supplier and
product screening requirements, data security, and
data analytics.

(4) **Additional Implementation Phases.**—A
description of additional implementation phases, as
determined by the Administrator, that includes a se-
lection of agencies to participate in any such addi-
tional implementation phase (which may include the
award of contracts to multiple commercial e-commerce portal providers).

(d) Considerations for Commercial E-commerce Portals.—The Administrator shall consider commercial e-commerce portals for use under the program established pursuant to subsection (a) that are widely used in the private sector and have or can be configured to have features that facilitate the execution of program objectives, including features related to supplier and product selection that are frequently updated, an assortment of product and supplier reviews, invoicing payment, and customer service.

(e) Information on Suppliers, Products, and Purchases.—

(1) Supplier participation and product screening.—The Administrator shall provide or ensure electronic availability to a commercial e-commerce portal provider awarded a contract pursuant to subsection (a) on a periodic basis information necessary to ensure compliance with laws pertaining to supplier and product screening as identified during implementation phase III, as described in subsection (e)(3).

(2) Provision of order information.—The Administrator shall require each commercial e-com-
merce portal provider awarded a contract pursuant
to subsection (a) to provide order information as de-
termined by the Administrator during implementa-
tion phase II, as described in subsection (c)(2).

(f) RELATIONSHIP TO OTHER PROVISIONS OF
LAW.—

(1) All laws, including laws that set forth poli-
cies, procedures, requirements, or restrictions for the
procurement of property or services by the Federal
Government, apply to the program established pur-
suant to subsection (a) unless otherwise provided in
this section.

(2) A procurement of a product made through
a commercial e-commerce portal under the program
established pursuant to subsection (a) is deemed to
be an award of a prime contract for purposes of the
goals established under section 15(g) of the Small
Business Act (15 U.S.C. 644(g)), if the purchase is
from a supplier that is a small business concern.

(3) Nothing in this section shall be construed as
limiting the authority of a department or agency to
restrict competition to small business concerns.

(4) Nothing in this section shall be construed as
limiting the applicability of section 1341 of title 31,
United States Code (popularly referred to as the Anti-Deficiency Act).

(g) USE OF COMMERCIAL PRACTICES AND STANDARD TERMS AND CONDITIONS.—A procurement of a product through a commercial e-commerce portal used under the program established pursuant to subsection (a) shall be made, to the maximum extent practicable, under the standard terms and conditions of the portal relating to purchasing on the portal.

(h) DISCLOSURE, PROTECTION, AND USE OF INFORMATION.—In any contract awarded to a commercial e-commerce portal provider pursuant to subsection (a), the Administrator shall require that the provider—

(1) agree not to sell or otherwise make available to any third party any information pertaining to a product ordered by the Federal Government through the commercial e-commerce portal in a manner that identifies the Federal Government, or any of its departments or agencies, as the purchaser, except if the information is needed to process or deliver an order or the Administrator provides written consent;

(2) agree to take the necessary precautions to safeguard any information pertaining to the Federal Government, especially precautions necessary to pro-
tect against national security or cybersecurity threats; and

(3) agree not to use, for pricing, marketing, competitive, or other purposes, any information related to a product from a third-party supplier featured on the commercial e-commerce portal or the transaction of such a product, except as necessary to comply with the requirements of the program established pursuant to subsection (a).

(i) **Simplified Acquisition Threshold.**—A procurement through a commercial e-commerce portal used under the program established pursuant to subsection (a) shall not exceed the simplified acquisition threshold in section 134 of title 41, United States Code.

(j) **Comptroller General Assessments.**—

(1) **Assessment of implementation plan.**—Not later than 90 days after the Director of the Office of Management and Budget submits the implementation plan described in subsection (c)(1) to the appropriate congressional committees, the Comptroller General of the United States shall submit to the appropriate congressional committees an assessment of the plan, including any other matters the Comptroller General considers relevant to the plan.
(2) ASSESSMENT OF PROGRAM IMPLEMENTATION.—Not later than three years after the first contract with a commercial e-commerce portal provider is awarded pursuant to subsection (a), the Comptroller General of the United States shall submit to the appropriate congressional committees a report on the challenges and benefits the General Services Administration and participating departments and agencies observe regarding implementation of the program established pursuant to subsection (a). The report shall include the following elements:

(A) A description of the acquisition of the commercial e-commerce portals (including the extent to which the portals had to be configured or otherwise modified to meet the needs of the program) costs, and the implementation schedule.

(B) A description of participation by suppliers, with particular attention to those described under subsection (e), that have registered or that have sold goods with at least one commercial e-commerce portal provider, including numbers, categories, and trends.
(C) The effect, if any, of the program on the ability of agencies to meet goals established for suppliers and products described under subsection (e), including goals established under section 15(g) of the Small Business Act (15 U.S.C. 644(g)).

(D) A discussion of the limitations, if any, to participation by suppliers in the program.

(E) Any other matters the Comptroller General considers relevant to report.

(k) DEFINITIONS.—In this section:

(1) ADMINISTRATOR.—The term “Administrator” means the Administrator of General Services.

(2) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term “appropriate congressional committees” means the following:

(A) The Committees on Armed Services of the Senate and House of Representatives.

(B) The Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Oversight and Government Reform of the House of Representatives.

(C) The Committee on Small Business and Entrepreneurship of the Senate and the Com-
mittee on Small Business of the House of Rep-
resentatives.

(3) **Commercial e-commerce portal.**—The
term “commercial e-commerce portal” means a com-
mmercial solution providing for the purchase of com-
mmercial products aggregated, distributed, sold, or
manufactured via an online portal. The term does
not include an online portal managed by the Govern-
ment for, or predominantly for use by, Government
agencies.

(4) **Commercial product.**—The term “com-
mmercial product” means a commercially available off-
the-shelf item, as defined in section 104 of title 41,
United States Code, except the term does not in-
clude services.

(5) **Small business concern.**—The term
“small business concern” has the meaning given
such term under section 3 of the Small Business Act

**SEC. 847. REVISION TO DEFINITION OF COMMERCIAL ITEM.**

(a) **In General.**—Section 103(8) of title 41, United
States Code, is amended by inserting before the period at
the end the following: “or to multiple foreign govern-
ments”.

5
(b) Effect on Section 2464 of Title 10.—Nothing in the amendment made by subsection (a) shall affect the meaning of the term “commercial item” for purposes of subsection (a)(5) of section 2464 of title 10, United States Code, or any requirement under subsection (a)(3) or subsection (c) of such section.

SEC. 848. COMMERCIAL ITEM DETERMINATIONS.

Section 2380 of title 10, United States Code, is amended—

(1) by striking “The Secretary” and inserting “(a) IN GENERAL.—The Secretary”; and

(2) by adding at the end the following new subsection:

“(b) ITEMS PREVIOUSLY ACQUIRED USING COMMERCIAL ITEM ACQUISITION PROCEDURES.—

“(1) DETERMINATIONS.—A contract for an item acquired using commercial item acquisition procedures under part 12 of the Federal Acquisition Regulation shall serve as a prior commercial item determination with respect to such item for purposes of this chapter unless the senior procurement executive of the military department or the Department of Defense as designated for purposes of section 1702(c) of title 41 determines in writing that it is
no longer appropriate to acquire the item using commercial item acquisition procedures.

“(2) LIMITATION.—(A) Except as provided under subparagraph (B), funds appropriated or otherwise made available to the Department of Defense may not be used for the procurement under part 15 of the Federal Acquisition Regulation of an item that was previously acquired under a contract using commercial item acquisition procedures under part 12 of the Federal Acquisition Regulation.

“(B) The limitation under subparagraph (A) does not apply to the procurement of an item that was previously acquired using commercial item acquisition procedures under part 12 of the Federal Acquisition Regulation following—

“(i) a written determination by the head of contracting activity pursuant to section 2306a(b)(4)(B) of this title that the use of such procedures was improper; or

“(ii) a written determination by the senior procurement executive of the military department or the Department of Defense as designated for purposes of section 1702(c) of title 41 that it is no longer appropriate to acquire the item using such procedures.”.
SEC. 849. REVIEW OF REGULATIONS ON COMMERCIAL ITEMS.

(a) Review of Determinations Not to Exempt Department of Defense Contracts for Commercial Items and commercially Available Off-the-shelf Items from Certain Laws and Regulations.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall—

(1) review each determination of the Federal Acquisition Regulatory Council pursuant to section 1906(b)(2), section 1906(c)(3), or section 1907(a)(2) of title 41, United States Code, not to exempt contracts and subcontracts described in subsection (a) of section 2375 of title 10, United States Code, from laws such contracts and subcontracts would otherwise be exempt from under section 1906(d) of title 41, United States Code; and

(2) propose revisions to the Department of Defense Supplement to the Federal Acquisition Regulation to provide an exemption from each law subject to such determination unless the Secretary determines there is a specific reason not to provide the exemption.

(b) Review of Certain Contract Clause Requirements Applicable to Commercial Item Con-
TRACTS.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall—

(1) review the Department of Defense Supplement to the Federal Acquisition Regulation to assess all regulations that require a specific contract clause for a contract using commercial item acquisition procedures under part 12 of the Federal Acquisition Regulation, except for regulations required by law or Executive order; and

(2) propose revisions to the Department of Defense Supplement to the Federal Acquisition Regulation to eliminate regulations reviewed under paragraph (1) unless the Secretary determines on a case-by-case basis that there is a specific reason not to eliminate the regulation.

(c) Elimination of Certain Contract Clause Regulations Applicable to Commercially Available Off-the-Shelf Item Subcontracts.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall—

(1) review the Department of Defense Supplement to the Federal Acquisition Regulation to assess all regulations that require a prime contractor to include a specific contract clause in a subcontract for commercially available off-the-shelf items unless the
inclusion of such clause is required by law or Executive order; and

(2) propose revisions to the Department of Defense Supplement to the Federal Acquisition Regulation to eliminate regulations reviewed under paragraph (1) unless the Secretary determines on a case-by-case basis that there is a specific reason not to eliminate the regulation.

SEC. 850. TRAINING IN COMMERCIAL ITEMS PROCUREMENT.

(a) TRAINING.—Not later than one year after the date of the enactment of this Act, the President of the Defense Acquisition University shall establish a comprehensive training program on part 12 of the Federal Acquisition Regulation. The training shall cover, at a minimum, the following topics:

(1) The origin of part 12 and the congressional mandate to prefer commercial procurements.

(2) The definition of a commercial item, with a particular focus on the “of a type” concept.

(3) Price analysis and negotiations.

(4) Market research and analysis.

(5) Independent cost estimates.

(6) Parametric estimating methods.

(7) Value analysis.
(8) Best practices in pricing from commercial sector organizations, foreign government organizations, and other Federal, State, and local public sectors organizations.

(9) Other topics on commercial procurements necessary to ensure a well-educated acquisition workforce.

(b) ENROLLMENTS GOALS.—The President of the Defense Acquisition University shall set goals for student enrollment for the comprehensive training program established under subsection (a).

(c) SUPPORTING ACTIVITIES.—The Secretary of Defense shall, in support of the achievement of the goals of this section—

(1) engage academic experts on research topics of interest to improve commercial item identification and pricing methodologies; and

(2) facilitate exchange and interface opportunities between government personnel to increase awareness of best practices and challenges in commercial item identification and pricing.

(d) FUNDING.—The Secretary of Defense shall use amounts available in the Department of Defense Acquisition Workforce Development Fund established under section 1705 of title 10, United States Code, to fund the com-
prehensive training program established under subsection (a).

Subtitle F—Provisions Relating to Services Contracting

SEC. 851. IMPROVEMENT OF PLANNING FOR ACQUISITION OF SERVICES.

(a) In general.—

(1) Improvement of planning for acquisition of services.—Chapter 137 of title 10, United States Code, is amended by inserting after section 2328 the following new section:

"§ 2329. Procurement of services: data analysis and requirements validation

(a) In general.—The Secretary of Defense shall ensure that—

“(1) appropriate and sufficiently detailed data are collected and analyzed to support the validation of requirements for services contracts and inform the planning, programming, budgeting, and execution process of the Department of Defense;

“(2) requirements for services contracts are evaluated appropriately and in a timely manner to inform decisions regarding the procurement of services; and
“(3) decisions regarding the procurement of services consider available resources and total force management policies and procedures.

“(b) Specification of Amounts Requested in Budget.—Effective October 1, 2022, the Secretary of Defense shall annually submit to Congress information on services contracts that clearly and separately identifies the amount requested for each category of services to be procured for each Defense Agency, Department of Defense Field Activity, command, or military installation. Such information shall—

“(1) be submitted at or about the time of the budget submission by the President under section 1105(a) of title 31;

“(2) cover the fiscal year covered by such budget submission by the President;

“(3) be consistent with total amounts of estimated expenditures and proposed appropriations necessary to support the programs, projects, and activities of the Department of Defense included in such budget submission by the President for that fiscal year; and

“(4) be organized using a common enterprise data structure developed under section 2222 of this title.
“(c) DATA ANALYSIS.—(1) Each Secretary of a military department shall regularly analyze past spending patterns and anticipated future requirements with respect to the procurement of services within such military department.

“(2)(A) The Secretary of Defense shall regularly analyze past spending patterns and anticipated future requirements with respect to the procurement of services—

“(i) within each Defense Agency and Department of Defense Field Activity; and

“(ii) across military departments, Defense Agencies, and Department of Defense Field Activities.

“(B) The Secretaries of the military departments shall make data on services contracts available to the Secretary of Defense for purposes of conducting the analysis required under subparagraph (A).

“(3) The analyses conducted under this subsection shall—

“(A) identify contracts for similar services that are procured for three or more consecutive years at each Defense Agency, Department of Defense Field Activity, command, or military installation;

“(B) evaluate patterns in the procurement of services, to the extent practicable, at each Defense
Agency, Department of Defense Field Activity, command, or military installation and by category of services procured;

“(C) be used to validate requirements for services contracts entered into after the date of the enactment of this subsection; and

“(D) be used to inform decisions on the award of and funding for such services contracts.

“(d) REQUIREMENTS EVALUATION.—Each Services Requirements Review Board shall evaluate each requirement for a services contract, taking into consideration total force management policies and procedures, available resources, the analyses conducted under subsection (c), and contracting efficacy and efficiency. An evaluation of a services contract for compliance with contracting policies and procedures may not be considered to be an evaluation of a requirement for such services contract.

“(e) TIMELY PLANNING TO AVOID BRIDGE CONTRACTS.—(1) Effective October 1, 2018, the Secretary of Defense shall ensure that a requirements owner shall, to the extent practicable, plan appropriately before the date of need of a service at a Defense Agency, Department of Defense Field Activity, command, or military installation to avoid the use of a bridge contract to provide for continuation of a service to be performed through a services
contract. Such planning shall include allowing time for a requirement to be validated, a services contract to be entered into, and funding for the services contract to be secured.

“(2)(A) Upon the first use, due to inadequate planning (as determined by the Secretary of Defense), of a bridge contract to provide for continuation of a service to be performed through a services contract, the requirements owner, along with the contracting officer or a designee of the contracting officer for the contract, shall—

“(i) for a services contract in an amount less than $10,000,000, provide an update on the status of the bridge contract (including the rationale for using the bridge contract) to the commander or the senior civilian official of the Defense Agency concerned, Department of Defense Field Activity concerned, command concerned, or military installation concerned, as applicable; or

“(ii) for a services contract in an amount equal to or greater than $10,000,000, provide an update on the status of the bridge contract (including the rationale for using the bridge contract) to the service acquisition executive for the military department concerned, the head of the Defense Agency concerned, the combatant commander concerned, or the
Under Secretary of Defense for Acquisition and Sustainment, as applicable.

“(B) Upon the second use, due to inadequate planning (as determined by the Secretary of Defense), of a bridge contract to provide for continuation of a service to be performed through a services contract in an amount less than $10,000,000, the commander or senior civilian official referred to in subparagraph (A)(i) shall provide notification of such second use to the Vice Chief of Staff of the armed force concerned and the service acquisition executive of the military department concerned, the head of the Defense Agency concerned, the combatant commander concerned, or the Under Secretary of Defense for Acquisition and Sustainment, as applicable.

“(f) EXCEPTION.—Except with respect to the analyses required under subsection (c), this section shall not apply to—

“(1) services contracts in support of contingency operations, humanitarian assistance, or disaster relief;

“(2) services contracts in support of a national security emergency declared with respect to a named operation; or

“(3) services contracts entered into pursuant to an international agreement.
“(g) DEFINITIONS.—In this section:

“(1) The term ‘bridge contact’ means—

“(A) an extension to an existing contract beyond the period of performance to avoid a lapse in service caused by a delay in awarding a subsequent contract; or

“(B) a new short-term contract awarded on a sole-source basis to avoid a lapse in service caused by a delay in awarding a subsequent contract.

“(2) The term ‘requirements owner’ means a member of the armed forces (other than the Coast Guard) or a civilian employee of the Department of Defense responsible for a requirement for a service to be performed through a services contract.

“(3) The term ‘Services Requirements Review Board’ has the meaning given in Department of Defense Instruction 5000.74, titled ‘Defense Acquisition of Services’ and dated January 5, 2016, or a successor instruction.”

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2328 the following new item:

“2329. Procurement of services: data analysis and requirements validation.”.
SEC. 852. STANDARD GUIDELINES FOR EVALUATION OF REQUIREMENTS FOR SERVICES CONTRACTS.

(a) In general.—The Secretary of Defense shall encourage the use of standard guidelines within the Department of Defense for the evaluation of requirements for services contracts. Such guidelines shall be available to the Services Requirements Review Boards (established under Department of Defense Instruction 5000.74, titled “Defense Acquisition of Services” and dated January 5, 2016, or a successor instruction) within each Defense Agency, each Department of Defense Field Activity, and each military department for the purpose of standardizing the requirements evaluation required under section 2329 of title 10, United States Code, as added by this Act.

(b) Definitions.—In this section—

(1) the terms “Defense Agency”, “Department of Defense Field Activity”, and “military department” have the meanings given those terms in section 101 of title 10, United States Code; and

(2) the term “total force management policies and procedures” means the policies and procedures established under section 129a of such title.

SEC. 853. REPORT ON OUTCOME-BASED SERVICES CONTRACTS.

Not later than April 1, 2018, the Secretary of Defense shall submit to the Committees on Armed Services
of the Senate and House of Representatives a report on
the merits of using outcome-based services contracts with-
in the Department of Defense. Such report shall include
a comparison of the use of outcome-based services con-
tracts by the Department of Defense compared to input-
based services contracts, the limitations of outcome-based
services contracts, and an analysis of the cost implications
of both approaches.

SEC. 854. PILOT PROGRAM FOR LONGER TERM MULTIYEAR
SERVICE CONTRACTS.

(a) Establishment.—The Secretary of Defense
shall carry out a pilot program under which the Secretary
may use the authority under subsection (a) of section
2306e of title 10, United States Code, to enter into up
to five contracts for periods of not more than 10 years
for services described in subsection (b) of such section.
Each contract entered into pursuant to this subsection
may be extended for up to five additional one-year terms.

(b) Study.—

(1) In general.—Not later than 90 days after
the date of the enactment of this Act, the Secretary
of Defense shall enter into an agreement with an
independent organization with relevant expertise to
study best practices and lessons learned from using
services contracts for periods longer than five years
by commercial companies, foreign governments, and
State governments, as well as service contracts for
periods longer than five years used by the Federal
Government, such as energy savings performance
contracts (as defined in section to section 804(3) of
the National Energy Conservation Policy Act (42
U.S.C. 8287c(3)).

(2) REPORT.—Not later than one year after the
date of the enactment of this Act, the Secretary of
Defense shall submit to the congressional defense
committees a report on the study conducted under
paragraph (1).

(c) COMPTROLLER GENERAL REPORT.—Not later
than five years after the date of the enactment of this Act,
the Comptroller General of the United States shall submit
to the congressional defense committees a report on the
pilot program carried out under this section.

Subtitle G—Provisions Relating to
Other Transaction Authority
and Prototyping

SEC. 861. CONTRACT AUTHORITY FOR ADVANCED DEVELOPMENT OF INITIAL OR ADDITIONAL PROTOTYPE UNITS.

(a) PERMANENT AUTHORITY.—
(1) IN GENERAL.—Chapter 137 of title 10, United States Code, is amended by inserting after section 2302d the following new section:

“§ 2302e. Contract authority for advanced development of initial or additional prototype units

“(a) AUTHORITY.—A contract initially awarded from the competitive selection of a proposal resulting from a general solicitation referred to in section 2302(2)(B) of this title may contain a contract line item or contract option for—

“(1) the provision of advanced component development, prototype, or initial production of technology developed under the contract; or

“(2) the delivery of initial or additional items if the item or a prototype thereof is created as the result of work performed under the contract.

“(b) LIMITATIONS.—

“(1) MINIMAL AMOUNT.—A contract line item or contract option described in subsection (a)(2) shall require the delivery of the minimal amount of initial or additional items to allow for the timely competitive solicitation and award of a follow-on development or production contract for those items.
“(2) **TERM.**—A contract line item or contract option described in subsection (a) shall be for a term of not more than 2 years.

“(3) **DOLLAR VALUE OF WORK.**—The dollar value of the work to be performed pursuant to a contract line item or contract option described in subsection (a) may not exceed $100,000,000, in fiscal year 2017 constant dollars.

“(4) **APPLICABILITY.**—The authority provided in subsection (a) applies only to the Secretary of Defense, the Secretary of the Army, the Secretary of the Navy, and the Secretary of the Air Force.”.

(2) **CLERICAL AMENDMENT.**—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2302d the following new item:

“2302e. Contract authority for advanced development of initial or additional prototype units.”.

(b) **REPEAL OF OBSOLETE AUTHORITY.**—Section 819 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 10 U.S.C. 2302 note) is hereby repealed.

**SEC. 862. METHODS FOR ENTERING INTO RESEARCH AGREEMENTS.**

Section 2358(b) of title 10, United States Code, is amended—
518

(1) in paragraph (3), by striking “or”;

(2) in paragraph (4), by striking the period at
the end and inserting a semicolon; and

(3) by adding at the end the following new
paragraphs:

“(5) by transactions (other than contracts, co-
operative agreements, and grants) entered into pur-
suant to section 2371 or 2371b of this title; or

“(6) by purchases through procurement for ex-
perimental purposes pursuant to section 2373 of this

title.”.

SEC. 863. EDUCATION AND TRAINING FOR TRANSACTIONS
OTHER THAN CONTRACTS AND GRANTS.

Section 2371 of title 10, United States Code, is
amended—

(1) by redesignating subsection (g) as sub-
section (h); and

(2) by inserting after subsection (f) the fol-
lowing new subsection:

“(g) EDUCATION AND TRAINING.—The Secretary of
Defense shall—

“(1) ensure that management, technical, and
contracting personnel of the Department of Defense
involved in the award or administration of trans-
actions under this section or other innovative forms
of contracting are afforded opportunities for ade-
quate education and training; and

“(2) establish minimum levels and requirements
for continuous and experiential learning for such
personnel, including levels and requirements for ac-
quision certification programs.”.

SEC. 864. OTHER TRANSACTION AUTHORITY FOR CERTAIN
PROTOTYPE PROJECTS.

(a) EXPANDED AUTHORITY FOR PROTOTYPE
PROJECTS.—Subsection (a)(2) of section 2371b of title
10, United States Code, is amended—

(1) by striking “for a prototype project” each
place such term appears and inserting “for a trans-
action (for a prototype project)”;

(2) in subparagraph (A)—

(A) by striking “$50,000,000” and insert-
ing “$100,000,000”; and

(B) by striking “$250,000,000” and in-
serting “$500,000,000”; and

(3) in subparagraph (B), by striking
“$250,000,000” and inserting “$500,000,000”.

(b) CLARIFICATION OF INCLUSION OF SMALL BUSI-
NESSES PARTICIPATING IN SBIR OR STTR.—Subpara-
graph (B) of section 2371b(d)(1) of title 10, United States
Code, is amended by inserting “(including small busi-
nesses participating in a program described under section 9 of the Small Business Act (15 U.S.C. 638))” after “small businesses”.

(c) Modification of Cost Sharing Requirement for Use of Other Transaction Authority.—Subparagraph (C) of such section is amended by striking “provided by parties to the transaction” and inserting “provided by sources other than”.

(d) Use of Other Transaction Authority for Ongoing Prototype Projects.—Subsection (f)(1) of section 2371b of title 10, United States Code, is amended by adding at the end the following: “A transaction includes all individual prototype subprojects awarded under the transaction to a consortium of United States industry and academic institutions.”.

SEC. 865. AMENDMENT TO NONTRADITIONAL AND SMALL CONTRACTOR INNOVATION PROTOTYPING PROGRAM.

Section 884(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2318; 10 U.S.C. 2302 note) is amended—

(1) by redesignating paragraph (9) as paragraph (10); and

(2) by inserting after paragraph (8) the following new paragraph (9):
“(9) Unmanned ground logistics and unmanned air logistics capabilities enhancement.”.

SEC. 866. MIDDLE TIER OF ACQUISITION FOR RAPID PROTOTYPE AND RAPID FIELDING.

Section 804(c)(2) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2302 note) is amended—

(1) by striking subparagraph (C); and

(2) by redesignating subparagraphs (D) and (E) as subparagraphs (C) and (D), respectively.

SEC. 867. PREFERENCE FOR USE OF OTHER TRANSACTIONS AND EXPERIMENTAL AUTHORITY.

In the execution of science and technology and prototyping programs, the Secretary of Defense shall establish a preference, to be applied in circumstances determined appropriate by the Secretary, for using transactions other than contracts, cooperative agreements, and grants entered into pursuant to sections 2371 and 2371b of title 10, United States Code, and authority for procurement for experimental purposes pursuant to section 2373 of title 10, United States Code.
SEC. 868. PROTOTYPE PROJECTS TO DIGITIZE DEFENSE ACQUISITION REGULATIONS, POLICIES, AND GUIDANCE, AND EMPOWER USER TAILORING OF ACQUISITION PROCESS.

(a) IN GENERAL.—The Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, shall conduct development efforts to develop prototypes to digitize defense acquisition regulations, policies, and guidance and to develop a digital decision support tool that facilitates the ability of users to tailor programs in accordance with existing laws, regulations, and guidance.

(b) ELEMENTS.—Under the prototype projects, the Secretary shall—

(1) convert existing acquisition policies, guides, memos, templates, and reports to an online, interactive digital format to create a dynamic, integrated, and authoritative knowledge environment for purposes of assisting program managers and the acquisition workforce of the Department of Defense to navigate the complex lifecycle for each major type of acquisition program or activity of the Department;

(2) as part of this digital environment, create a digital decision support capability that uses decision trees and tailored acquisition models to assist users
to develop strategies and facilitate coordination and
approvals; and

(3) as part of this environment, establish a
foundational data layer to enable advanced data
analytics on the acquisition enterprise of the Depart-
ment, to include business process reengineering to
improve productivity.

(e) Use of Prototypes in Acquisition Activities.—The Under Secretary of Defense for Research and
Engineering shall encourage the use of these prototypes
to model, develop, and test any procedures, policies, in-
structions, or other forms of direction and guidance that
may be required to support acquisition training, practices,
and policies of the Department of Defense.

(d) Funding.—The Secretary may use the authority
under section 1705(e)(4)(B) of title 10, United States
Code, to develop acquisition support prototypes and tools
under this program.

Subtitle H—Provisions Relating to
Software Acquisition

SEC. 871. Noncommercial Computer Software Acquisition
Considerations.

(a) In General.—

(1) Requirement.—Chapter 137 of title 10,
United States Code, as amended by section 802, is
further amended by inserting after section 2322 the following new section:

“§ 2322a. Requirement for consideration of certain matters during acquisition of non-commercial computer software

“(a) Consideration Required.—As part of any negotiation for the acquisition of noncommercial computer software, the Secretary of Defense shall ensure that such negotiations consider, to the maximum extent practicable, acquisition, at the appropriate time in the life cycle of the noncommercial computer software, of all software and related materials necessary—

“(1) to reproduce, build, or recompile the software from original source code and required libraries;

“(2) to conduct required computer software testing; and

“(3) to deploy working computer software system binary files on relevant system hardware.

“(b) Delivery of Software and Related Materials.—Any noncommercial computer software or related materials required to be delivered as a result of considerations in subsection (a) shall, to the extent appropriate as determined by the Secretary—
“(1) include computer software delivered in a useable, digital format;

“(2) not rely on external or additional software code or data, unless such software code or data is included in the items to be delivered; and

“(3) in the case of negotiated terms that do not allow for the inclusion of dependent software code or data, sufficient documentation to support maintenance and understanding of interfaces and software revision history.”.

(2) Clerical Amendment.—The table of sections at the beginning of such chapter is amended by adding after the item relating to section 2322, as added by section 802, the following new item:

“2322a. Requirement for consideration of certain matters during acquisition of noncommercial computer software.”.

(b) Guidance.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall issue updated guidance to implement section 2322a of title 10, United States Code, as added by subsection (a).

SEC. 872. DEFENSE INNOVATION BOARD ANALYSIS OF SOFTWARE ACQUISITION REGULATIONS.

(a) Study.—

(1) In general.—Not later than 30 days after the date of the enactment of this Act, the Secretary
of Defense shall direct the Defense Innovation Board to undertake a study on streamlining software development and acquisition regulations.

(2) MEMBER PARTICIPATION.—The Chairman of the Defense Innovation Board shall select appropriate members from the membership of the Board to participate in the study, and may recommend additional temporary members or contracted support personnel to the Secretary of Defense for the purposes of the study. In considering additional appointments to the study, the Secretary of Defense shall ensure that members have significant technical, legislative, or regulatory expertise and reflect diverse experiences in the public and private sector.

(3) SCOPE.—The study conducted pursuant to paragraph (1) shall—

(A) review the acquisition regulations applicable to, and organizational structures within, the Department of Defense with a view toward streamlining and improving the efficiency and effectiveness of software acquisition in order to maintain defense technology advantage;

(B) review ongoing software development and acquisition programs, including a cross sec-
tion of programs that offer a variety of application types, functional communities, and scale, in order to identify case studies of best and worst practices currently in use within the Department of Defense;

(C) produce specific and detailed recommendations for any legislation, including the amendment or repeal of regulations, as well as non-legislative approaches, that the members of the Board conducting the study determine necessary to—

(i) streamline development and procurement of software;

(ii) adopt or adapt best practices from the private sector applicable to Government use;

(iii) promote rapid adoption of new technology;

(iv) improve the talent management of the software acquisition workforce, including by providing incentives for the recruitment and retention of such workforce within the Department of Defense;

(v) ensure continuing financial and ethical integrity in procurement; and
(vi) protect the best interests of the Department of Defense; and

(D) produce such additional recommendations for legislation as such members consider appropriate.

(4) ACCESS TO INFORMATION.—The Secretary of Defense shall provide the Defense Innovation Board with timely access to appropriate information, data, resources, and analysis so that the Board may conduct a thorough and independent analysis as required under this subsection.

(b) REPORTS.—

(1) INTERIM REPORTS.—Not later than 150 days after the date of the enactment of this Act, the Secretary of Defense shall submit a report to or brief the congressional defense committees on the interim findings of the study conducted pursuant to subsection (a). The Defense Innovation Board shall provide regular updates to the Secretary of Defense and the congressional defense committees for purposes of providing the interim report.

(2) FINAL REPORT.—Not later than one year after the Secretary of Defense directs the Defense Advisory Board to conduct the study, the Board shall transmit a final report of the study to the Sec-
retary. Not later than 30 days after receiving the
final report, the Secretary of Defense shall transmit
the final report, together with such comments as the
Secretary determines appropriate, to the congres-
sional defense committees.

SEC. 873. PILOT PROGRAM TO USE AGILE OR ITERATIVE
DEVELOPMENT METHODS TO TAILOR MAJOR
SOFTWARE-INTENSIVE WARFIGHTING SYS-
TEMS AND DEFENSE BUSINESS SYSTEMS.

(a) Pilot Program.—

(1) In General.—Not later than 30 days after
the date of the enactment of this Act, the Secretary
of Defense, in consultation with the Secretaries of
the military departments and the chiefs of the armed
forces, shall establish a pilot program to tailor and
simplify software development requirements and
methods for major software-intensive warfighting
systems and defense business systems.

(2) Implementation Plan for Pilot Pro-
gram.—Not later than 120 days after the date of
the enactment of this Act, the Secretary of Defense,
in consultation with the Secretaries of the military
departments and the chiefs of the armed forces,
shall develop a plan for implementing the pilot pro-
gram required under this subsection, including guid-
ance for implementing the program and for selecting systems for participation in the program.

(3) Selection of systems for pilot program.—

(A) The implementation plan shall require that systems be selected as follows:

(i) For major software-intensive warfighting systems, one system per armed force and one defense-wide system, including at least one major defense acquisition program or major automated information system.

(ii) For defense business systems, not fewer than two systems and not greater than eight systems.

(B) In selecting systems for participation, the Secretary shall prioritize systems as follows:

(i) For major software-intensive warfighting systems, systems that—

(I) have identified software development as a high risk;

(II) have experienced cost growth and schedule delay; and
(III) did not deliver any operational capability within the prior calendar year.

(ii) For defense business systems, systems that—

(I) have experienced cost growth and schedule delay;

(II) did not deliver any operational capability within the prior calendar year; and

(III) are underperforming other systems within a defense business system portfolio with similar user requirements.

(b) REALIGNMENT PLANS.—

(1) IN GENERAL.—Not later than 60 days after selecting a system for the pilot program under subsection (a)(3), the Secretary shall develop a plan for realigning the system by breaking down the system into smaller increments using agile or iterative development methods. The realignment plan shall include a revised cost estimate that is lower than the cost estimate for the system that was current as of the date of the enactment of this Act.
(2) REALIGNMENT EXECUTION.—Each increment for a realigned system shall—

(A) be designed to deliver a meaningfully useful capability within the first 180 days following realignment;

(B) be designed to deliver subsequent meaningfully useful capabilities in time periods of less than 180 days;

(C) incorporate multidisciplinary teams focused on software production that prioritize user needs and control of total cost of ownership;

(D) be staffed with highly qualified technically trained staff and personnel with management and business process expertise in leadership positions to support requirements modification, acquisition strategy, and program decisionmaking;

(E) ensure that the acquisition strategy for the realigned system is broad enough to allow for proposals of a service, system, modified business practice, configuration of personnel, or combination thereof for implementing the strategy;
(F) include periodic engagement with the user community, as well as representation by the user community in program management and software production activity;

(G) ensure that the acquisition strategy for the realigned system favors outcomes-based requirements definition and capability as a service, including the establishment of technical evaluation criteria as outcomes to be used to negotiate service-level agreements with vendors; and

(H) consider options for termination of the relationship with any vendor unable or unwilling to offer terms that meet the requirements of this section.

(e) REMOVAL OF SYSTEMS.—The Secretary may remove a system selected for the pilot program under subsection (a)(3) only after the Secretary submits to the Committees on Armed Services of the Senate and House of Representatives a written determination that indicates that the selected system has been unsuccessful in reducing cost or schedule growth, or is not meeting the overall needs of the pilot program.

(d) EDUCATION AND TRAINING IN AGILE OR ITERATIVE DEVELOPMENT METHODS.—
(1) **Training Requirement.**—The Secretary shall ensure that any personnel from the relevant organizations in each of the military departments and Defense Agencies participating in the pilot program, including organizations responsible for engineering, budgeting, contracting, test and evaluation, requirements validation, and certification and accreditation, receive targeted training in agile or iterative development methods, including the interim course required by section 891 of this Act.

(2) **Support.**—In carrying out the pilot program under subsection (a), the Secretary shall ensure that personnel participating in the program provide feedback to inform the development of education and training curricula as required by section 891.

(e) **Sunset.**—The pilot program required under subsection (a) shall terminate on September 30, 2023. Any system selected under subsection (a)(3) for the pilot program shall continue after that date through the execution of its realignment plan.

(f) **Agile or Iterative Development Defined.**—In this section, the term “agile or iterative development”, with respect to software—
(1) means acquisition pursuant to a method for delivering multiple, rapid, incremental capabilities to the user for operational use, evaluation, and feedback not exclusively linked to any single, proprietary method or process; and

(2) involves—

(A) the incremental development and fielding of capabilities, commonly called “spirals”, “spins”, or “sprints”, which can be measured in a few weeks or months; and

(B) continuous participation and collaboration by users, testers, and requirements authorities.

SEC. 874. SOFTWARE DEVELOPMENT PILOT PROGRAM USING AGILE BEST PRACTICES.

(a) In General.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall identify no fewer than four and up to eight software development activities within the Department of Defense or military departments to be developed in a pilot program using agile acquisition methods.

(b) Streamlined Processes.—Software development activities identified under subsection (a) shall be selected for the pilot program and developed without incor-
poration of the following contract or transaction requirements:

(1) Earned value management (EVM) or EVM-like reporting.

(2) Development of integrated master schedule.

(3) Development of integrated master plan.

(4) Development of technical requirement document.

(5) Development of systems requirement documents.

(6) Use of information technology infrastructure library agreements.

(7) Use of software development life cycle (methodology).

(c) ROLES AND RESPONSIBILITIES.—

(1) IN GENERAL.—Selected activities shall include the following roles and responsibilities:

(A) A program manager that is authorized to make all programmatic decisions within the overarching activity objectives, including resources, funding, personnel, and contract or transaction termination recommendations.

(B) A product owner that reports directly to the program manager and is responsible for the overall design of the product, prioritization
of roadmap elements and interpretation of their acceptance criteria, and prioritization of the list of all features desired in the product.

(C) An engineering lead that reports directly to the program manager and is responsible for the implementation and operation of the software.

(D) A design lead that reports directly to the program manager and is responsible for identifying, communicating, and visualizing user needs through a human-centered design process.

(2) Qualifications.—The Secretary shall establish qualifications for personnel filling the positions described in paragraph (1) prior to their selection. The qualifications may not include a positive education requirement and must be based on technical expertise or experience in delivery of software products, including agile concepts.

(3) Coordination Plan for Testing and Certification Organizations.—The program manager shall ensure the availability of resources for test and certification organizations support of iterative development processes.
(d) PLAN.—The Secretary of Defense shall develop a plan for each selected activity under the pilot program. The plan shall include the following elements:

(1) Definition of a product vision, identifying a succinct, clearly defined need the software will address.

(2) Definition of a product road map, outlining a noncontractual plan that identifies short-term and long-term product goals and specific technology solutions to help meet those goals and adjusts to mission and user needs at the product owner’s discretion.

(3) The use of a broad agency announcement, other transaction authority, or other rapid merit-based solicitation procedure.

(4) Identification of, and continuous engagement with, end users.

(5) Frequent and iterative end user validation of features and usability consistent with the principles outlined in the Digital Services Playbook of the U.S. Digital Service.

(6) Use of commercial best practices for advanced computing systems, including, where applicable—

(A) Automated testing, integration, and deployment;
(B) compliance with applicable commercial
accessibility standards;

(C) capability to support modern versions
of multiple, common web browsers;

(D) capability to be viewable across com-
monly used end user devices, including mobile
devices; and

(E) built-in application monitoring.

(e) PROGRAM SCHEDULE.—The Secretary shall en-
sure that each selected activity includes—

(1) award processes that take no longer than
three months after a requirement is identified;

(2) planned frequent and iterative end user vali-
dation of implemented features and their usability;

(3) delivery of a functional prototype or mini-
mally viable product in three months or less from
award; and

(4) follow-on delivery of iterative development
cycles no longer than four weeks apart, including se-
curity testing and configuration management as ap-
licable.

(f) OVERSIGHT METRICS.—The Secretary shall en-
sure that the selected activities—

(1) use a modern tracking tool to execute re-
quirements backlog tracking; and
(2) use agile development metrics that, at a minimum, track—

(A) pace of work accomplishment;

(B) completeness of scope of testing activities (such as code coverage, fault tolerance, and boundary testing);

(C) product quality attributes (such as major and minor defects and measures of key performance attributes and quality attributes);

(D) delivery progress relative to the current product roadmap; and

(E) goals for each iteration.

(g) Restrictions.—

(1) Use of Funds.—No funds made available for the selected activities may be expended on estimation or evaluation using source lines of code methodologies.

(2) Contract Types.—The Secretary of Defense may not use lowest price technically acceptable contracting methods or cost plus contracts to carry out selected activities under this section, and shall encourage the use of existing streamlined and flexible contracting arrangements.

(h) Reports.—
(1) Software development activity commencement.—

(A) IN GENERAL.—Not later than 30 days before the commencement of a software development activity under the pilot program under subsection (a), the Secretary shall submit to the congressional defense committees a report on the activity (in this subsection referred to as a “pilot activity”).

(B) ELEMENTS.—The report on a pilot activity under this paragraph shall set forth a description of the pilot activity, including the following information:

(i) The purpose of the pilot activity.

(ii) The duration of the pilot activity.

(iii) The efficiencies and benefits anticipated to accrue to the Government under the pilot program.

(2) Software development activity completion.—

(A) IN GENERAL.—Not later than 60 days after the completion of a pilot activity, the Secretary shall submit to the congressional defense committees a report on the pilot activity.
(B) ELEMENTS.—The report on a pilot activity under this paragraph shall include the following elements:

(i) A description of results of the pilot activity.

(ii) Such recommendations for legislative or administrative action as the Secretary considers appropriate in light of the pilot activity.

(i) DEFINITIONS.—In this section:

(1) AGILE ACQUISITION.—The term “agile acquisition” means acquisition using agile or iterative development.

(2) AGILE OR ITERATIVE DEVELOPMENT.—The term “agile or iterative development”, with respect to software—

(A) means acquisition pursuant to a method for delivering multiple, rapid, incremental capabilities to the user for operational use, evaluation, and feedback not exclusively linked to any single, proprietary method or process; and

(B) involves—

(i) the incremental development and fielding of capabilities, commonly called “spirals”, “spins”, or “sprints”, which can
be measured in a few weeks or months;

and

(ii) continuous participation and collaboration by users, testers, and requirements authorities.

SEC. 875. PILOT PROGRAM FOR OPEN SOURCE SOFTWARE.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall initiate for the Department of Defense the open source software pilot program established by the Office of Management and Budget Memorandum M-16-21 titled “Federal Source Code Policy: Achieving Efficiency, Transparency, and Innovation through Reusable and Open Source Software” and dated August 8, 2016.

(b) REPORT TO CONGRESS.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall provide a report to Congress with details of the plan of the Department of Defense to implement the pilot program required by subsection (a). Such plan shall include identifying candidate software programs, selection criteria, intellectual property and licensing issues, and other matters determined by the Secretary.

(c) COMPTROLLER GENERAL REPORT.—Not later than June 1, 2019, the Comptroller General of the United States shall provide a report to Congress on the implement-
tation of the pilot program required by subsection (a) by the Secretary of Defense. The report shall address, at a minimum, the compliance of the Secretary with the requirements of the Office of Management and Budget Memorandum M-16-21, the views of various software and information technology stakeholders in the Department of Defense, and any other matters determined by the Comptroller General.

Subtitle I—Other Matters

SEC. 881. EXTENSION OF MAXIMUM DURATION OF FUEL STORAGE CONTRACTS.

(a) Extension.—Section 2922(b) of title 10, United States Code, is amended by striking “20 years” and inserting “30 years”.

(b) Effective Date.—The amendment made by subsection (a) shall apply with respect to contracts entered into on or after the date of the enactment of this Act, and may be applied to a contract entered into before that date if the total contract period under the contract (including options) has not expired as of the date of any extension of such contract period by reason of such amendment.
SEC. 882. PROCUREMENT OF AVIATION CRITICAL SAFETY ITEMS.

Section 814(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2271; 10 U.S.C. 2302 note) is amended—

(1) in paragraph (1)—

(A) by inserting “or an aviation critical safety item (as defined in section 2319(g) of this title)” after “personal protective equipment”; and

(B) by inserting “equipment or” after “failure of the”; and

(2) in paragraph (2), by inserting “or item” after “equipment”.

SEC. 883. MODIFICATIONS TO THE ADVISORY PANEL ON STREAMLINING AND CODIFYING ACQUISITION REGULATIONS.

(a) EXTENSION OF DATE FOR FINAL REPORT.—

(1) TRANSMITTAL OF PANEL FINAL REPORT.—

Subsection (e)(1) of section 809 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 889), as amended by section 863(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2303), is amended—
(A) by striking “Not later than two years after the date on which the Secretary of Defense establishes the advisory panel” and inserting “Not later than January 15, 2019”; and

(B) by striking “the Secretary.” and inserting “the Secretary of Defense and the congressional defense committees.”.

(2) Secretary of Defense Action on Final Report.—Subsection (e)(4) of such section is amended—

(A) by striking “Not later than 30 days” and inserting “Not later than 60 days”; and

(B) by striking “the final report, together with such comments as the Secretary determines appropriate,” and inserting “such comments as the Secretary determines appropriate”.

(b) Termination of Panel.—Such section is further amended by adding at the end the following new subsection:

“(g) Termination of Panel.—The advisory panel shall terminate 180 days after the date on which the final report of the panel is transmitted pursuant to subsection (e)(1).”
(c) Technical Amendment.—Subsection (d) of such section is amended by striking “resources,” and inserting “resources.”

SEC. 884. REPEAL OF EXPIRED PILOT PROGRAM FOR LEASING COMMERCIAL UTILITY CARGO VEHICLES.

Section 807(c) of the National Defense Authorization Act for Fiscal Year 1996 (Public Law 104–106; 10 U.S.C. 2401a note) is repealed.

SEC. 885. EXCEPTION FOR BUSINESS OPERATIONS FROM REQUIREMENT TO ACCEPT $1 COINS.

(a) In general.—Paragraph (1) of section 5112(p) of title 31, United States Code, is amended by adding at the end the following new flush sentence:

“This paragraph does not apply with respect to business operations conducted by any entity under a contract with an agency or instrumentality of the United States, including with any nonappropriated fund instrumentality established under title 10, United States Code.”.

(b) Conforming Amendment.—Such paragraph is further amended—

(1) by striking “and all entities that operate any business, including vending machines, on any premises owned by the United States or under the control of any agency or instrumentality of the
United States, including the legislative and judicial branches of the Federal Government,’; and

(2) by inserting “and” before “all transit systems”.

(e) TECHNICAL AMENDMENT.—Subparagraph (B) of such paragraph is amended by striking “displays” and inserting “display”.

SEC. 886. DEVELOPMENT OF PROCUREMENT ADMINISTRATIVE LEAD TIME.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall develop, make available for public comment, and finalize—

(1) a definition of the term “Procurement Administrative Lead Time” or “PALT”, to be applied Department of Defense-wide, that describes the amount of time from the date on which a solicitation is issued to the date of an initial award of a contract or task order of the Department of Defense; and

(2) a plan for measuring and publicly reporting data on PALT for Department of Defense contracts and task orders above the simplified acquisition threshold.
(b) REQUIREMENT FOR DEFINITION.—Unless the Secretary determines otherwise, the amount of time in the definition of PALT developed under subsection (a) shall—

(1) begin on the date on which the initial solicitation is issued for a contract or task order of the Department of Defense by the Secretary of a military department or head of a Defense Agency; and

(2) end on the date of the award of the contract or task order.

(c) COORDINATION.—In developing the definition of PALT, the Secretary shall coordinate with—

(1) the senior contracting official of each military department and Defense Agency to determine the variations of the definition in use across the Department of Defense and each military department and Defense Agency; and

(2) the Administrator of the General Services Administration on modifying the existing data system of the Federal Government to determine the date on which the initial solicitation is issued.

(d) USE OF EXISTING PROCUREMENT DATA SYSTEMS.—In developing the plan for measuring and publicly reporting data on PALT required by subsection (a), the Secretary shall, to the maximum extent practicable, rely on the information contained in the Federal procurement
data system established pursuant to section 1122(a)(4) of title 41, United States Code, including any modifications to that system.

SEC. 887. NOTIONAL MILESTONES AND STANDARD TIMELINES FOR CONTRACTS FOR FOREIGN MILITARY SALES.

(a) Establishment.—

(1) In general.—The Secretary of Defense shall establish specific notional milestones and standard timelines for the Department of Defense to achieve such milestones in its processing of a foreign military sale (as authorized under chapter 2 of the Arms Export Control Act (22 U.S.C. 2761 et seq.)). Such milestones and timelines—

(A) may vary depending on the complexity of the foreign military sale; and

(B) shall cover the period beginning on the date of receipt of a complete letter of request (as described in chapter 5 of the Security Assistance Management Manual of the Defense Security Cooperation Agency) from a foreign country and ending on the date of the final delivery of a defense article or defense service sold through the foreign military sale.
(2) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the appropriate committees of Congress a report describing the milestones and timelines developed pursuant to paragraph (1) of this section.

(b) SUBMISSIONS TO CONGRESS.—

(1) QUARTERLY NOTIFICATION.—During the period beginning 180 days after the date of the enactment of this Act and ending on December 31, 2021, the Secretary shall submit to the appropriate committees of Congress, on a quarterly basis, a report that includes a list of each foreign military sale with a value greater than or equal to the dollar threshold for congressional notification under section 36 of the Arms Export Control Act (22 U.S.C. 2776)—

(A) for which the final delivery of a defense article or defense service has not been completed; and

(B) that has not met a standard timeline to achieve a notional milestone as established under subsection (a).

(2) ANNUAL REPORT.—Not later than November 1, 2019, and annually thereafter until December
31, 2021, the Secretary shall submit to the appropriate committees of Congress a report that summarizes—

(A) the number, set forth separately by dollar value and notional milestone, of foreign military sales that met the standard timeline to achieve a notional milestone established under subsection (a) during the preceding fiscal year; and

(B) the number, set forth separately by dollar value and notional milestone, of each foreign military sale that did not meet the standard timeline to achieve a notional milestone established under subsection (a), and a description of any extenuating factors explaining why such a sale did not achieve such milestone.

(c) DEFINITIONS.—In this section—

(1) the terms “defense article” and “defense service” have the meanings given those terms, respectively, in section 47 of the Arms Export Control Act (22 U.S.C. 2794); and

(2) the term “appropriate committees of Congress” means—
(A) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(B) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

SEC. 888. ASSESSMENT AND AUTHORITY TO TERMINATE OR PROHIBIT CONTRACTS FOR PROCUREMENT FROM CHINESE COMPANIES PROVIDING SUPPORT TO THE DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA.

(a) ASSESSMENT REQUIRED.—

(1) IN GENERAL.—The Secretary of Defense, in consultation with the Secretary of State, the Secretary of the Treasury, and the Director of National Intelligence, shall conduct an assessment of trade between the People's Republic of China and the Democratic People's Republic of Korea, including elements deemed to be important to United States national security and defense.

(2) ELEMENTS.—The assessment required by paragraph (1) shall—

(A) assess the composition of all trade between China and the Democratic People's Re-
public of Korea, including trade in goods and services;

(B) identify whether any Chinese commercial entities that are engaged in such trade materially support illicit activities on the part of North Korea;

(C) evaluate the extent to which the United States Government procures goods or services from any commercial entity identified under subparagraph (B);

(D) provide a list of commercial entities identified under subparagraph (B) that provide defense goods or services for the Department of Defense; and

(E) evaluate the ramifications to United States national security, including any impacts to the defense industrial base, Department of Defense acquisition programs, and Department of Defense logistics or supply chains, of prohibiting procurements from commercial entities listed under subparagraph (D).

(3) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report on the assessment required by paragraph (1). The report
shall be submitted in unclassified form, but may contain a classified annex.

(b) AUTHORITY.—The Secretary of Defense may terminate existing contracts or prohibit the award of contracts for the procurement of goods or services for the Department of Defense from a Chinese commercial entity included on the list described under subsection (a)(2)(D) based on a determination informed by the assessment required under subsection (a)(1).

(c) NOTIFICATION.—The Secretary of Defense shall submit to the appropriate committees of Congress a notification of, and detailed justification for, any exercise of the authority in subsection (b) not less than 30 days before the date on which the authority is exercised.

(d) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

SEC. 889. REPORT ON DEFENSE CONTRACTING FRAUD.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense
shall submit to the congressional defense committees a report on defense contracting fraud.

(b) **ELEMENTS.**—The report required under subsection (a) shall include the following elements:

1. A summary of fraud-related criminal convictions and civil judgments or settlements over the previous five fiscal years.
2. A listing of contractors that within the previous five fiscal years performed contracts for the Department of Defense and were debarred or suspended from Federal contracting based on a criminal conviction for fraud.
3. An assessment of the total value of Department of Defense contracts entered into during the previous five fiscal years with contractors that have been indicted for, settled charges of, been fined by any Federal department or agency for, or been convicted of fraud in connection with any contract or other transaction entered into with the Federal Government.
4. Recommendations by the Inspector General of the Department of Defense or other appropriate Department of Defense official regarding how to penalize contractors repeatedly involved in fraud in connection with contracts or other transactions en-
entered into with the Federal Government, including an update on implementation by the Department of any previous such recommendations.

SEC. 890. COMPTROLLER GENERAL REPORT ON CONTRACTOR BUSINESS SYSTEM REQUIREMENTS.

(a) EVALUATION.—Not later than 1 year after the date of enactment of this Act, the Comptroller General of the United States shall submit to the congressional defense committees a report evaluating the implementation and effectiveness of the program for the improvement of contractor business systems established pursuant to section 893 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2302 note). The report shall—

(1) describe how the requirements of such program were implemented, including the roles and responsibilities of relevant Defense Agencies and known costs to the Federal Government and covered contractors;

(2) analyze the extent to which implementation of such program has affected, if at all, covered contractor performance or the management and oversight of covered contracts of the Department of Defense;
(3) assess how the amendments to contractor business system requirements made by section 893 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2324) were implemented, including—

(A) the effects of revising the definition of “covered contractor” in section 893(g)(2) of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2302 note) and the feasibility and the potential effects of further increasing the percentage of the total gross revenue included in the definition; and

(B) the extent to which third-party independent auditors have conducted contractor business system assessments pursuant to section 893(c) of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2302 note);

(4) identify any additional information or management practices that could enhance the process for assessing contractor business systems, particularly when covered contractors have multiple covered contracts with the Department of Defense; and
(5) include any other matters the Comptroller General determines to be relevant.

(b) **Contractor Business System Definitions.**—In this section, the terms “covered contractor”, “covered contract”, and “contractor business system” have the meanings given in section 893 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2302 note).

**Sec. 891. Training on Agile or Iterative Development Methods.**

(a) **In General.**—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the President of the Defense Acquisition University, shall establish a training course at the Defense Acquisition University on agile or iterative development methods to provide training for personnel implementing and supporting the pilot programs required by sections 873 and 874 of this Act.

(b) **Course Elements.**—

(1) **In General.**—The course shall be taught in residence at the Defense Acquisition University and shall include the following elements:

(A) Training designed to instill a common understanding of all functional roles and dependencies involved in developing and producing
a capability using agile or iterative development methods.

(B) An exercise involving teams composed of personnel from pertinent functions and functional organizations engaged in developing an integrated agile or iterative development method for a specific program.

(C) Instructors and content from non-governmental entities, as appropriate, to highlight commercial best practices in using an agile or iterative development method.

(2) COURSE UPDATES.—The Secretary shall ensure that the course is updated as needed, including through incorporating lessons learned from the implementation of the pilot programs required by sections 873 and 874 of this Act in subsequent versions of the course.

(c) COURSE ATTENDANCE.—The course shall be—

(1) available for certified acquisition personnel working on programs or projects using agile or iterative development methods; and

(2) mandatory for personnel participating in the pilot programs required by sections 873 and 874 of this Act from the relevant organizations in each of the military departments and Defense Agencies,
including organizations responsible for engineering, budgeting, contracting, test and evaluation, requirements validation, and certification and accreditation.

(d) **AGILE ACQUISITION SUPPORT.**—The Secretary and the senior acquisition executives in each of the military departments and Defense Agencies, in coordination with the Director of the Defense Digital Service, shall assign to offices supporting systems selected for participation in the pilot programs required by sections 873 and 874 of this Act a subject matter expert with knowledge of commercial agile acquisition methods and Department of Defense acquisition processes to provide assistance and to advise appropriate acquisition authorities of the expert’s observations.

(e) **AGILE RESEARCH PROGRAM.**—The President of the Defense Acquisition University shall establish a research program to conduct research on and development of agile acquisition practices and tools best tailored to meet the mission needs of the Department of Defense.

(f) **AGILE OR ITERATIVE DEVELOPMENT DEFINED.**—The term “agile or iterative development”, with respect to software—

(1) means acquisition pursuant to a method for delivering multiple, rapid, incremental capabilities to the user for operational use, evaluation, and feed-
back not exclusively linked to any single, proprietary
method or process; and

(2) involves—

(A) the incremental development and field-
ing of capabilities, commonly called “spirals”,
“spins”, or “sprints”, which can be measured
in a few weeks or months; and

(B) continuous participation and collabora-
tion by users, testers, and requirements au-
thorities.

TITLE IX—DEPARTMENT OF DE-
FENSE ORGANIZATION AND
MANAGEMENT

Subtitle A—Office of the Secretary of Defense and Related Matters

Sec. 901. Treatment of incumbent Under Secretary of Defense for Acquisition,
Technology, and Logistics.

Sec. 902. Clarification of authority of Under Secretary of Defense for Acquisi-
tion and Sustainment with respect to service acquisition pro-
grams for which the service acquisition executive is the mile-
stone decision authority.

Sec. 903. Executive Schedule matters relating to Under Secretary of Defense
for Acquisition and Sustainment.

Sec. 904. Consistent period of relief from active duty as a commissioned officer
of a regular component of the Armed Forces for appointment
to Under Secretary of Defense positions.

Sec. 905. Qualifications for appointment and additional duties and powers of
certain officials within the Office of the Under Secretary of De-
fense (Comptroller).

Sec. 906. Redesignation of Principal Deputy Under Secretaries of Defense as
Deputy Under Secretaries of Defense and related matters.

Sec. 907. Reduction of number and elimination of specific designations of As-
sistant Secretaries of Defense.

Sec. 908. Limitation on maximum number of Deputy Assistant Secretaries of
Defense.

Sec. 909. Appointment and responsibilities of Chief Information Officer of the
Department of Defense.

Sec. 910. Chief Management Officer of the Department of Defense.

Subtitle B—Data Management and Analytics
Sec. 911. Policy on treatment of defense business system data related to business operations and management.
Sec. 912. Transparency of defense management data.
Sec. 913. Establishment of set of activities that use data analysis, measurement, and other evaluation-related methods to improve acquisition program outcomes.

Subtitle C—Organization of Other Department of Defense Offices and Elements

Sec. 921. Qualifications for appointment of Assistant Secretaries of the military departments for financial management.
Sec. 922. Manner of carrying out reductions in major Department of Defense headquarters activities pursuant to headquarters reduction plan.
Sec. 923. Certifications on cost savings achieved by reductions in major Department of Defense headquarters activities.
Sec. 924. Corrosion control and prevention executives matters.
Sec. 925. Background and security investigations for Department of Defense personnel.

Subtitle D—Miscellaneous Reporting Requirements

Sec. 931. Additional elements in reports on policy, organization, and management goals of the Secretary of Defense for the Department of Defense.
Sec. 932. Report and sense of Congress on responsibility for developmental test and evaluation within the Office of the Secretary of Defense.

Subtitle D—Other Matters


1 Subtitle A—Office of the Secretary of Defense and Related Matters

2 SEC. 901. TREATMENT OF INCUMBENT UNDER SECRETARY OF DEFENSE FOR ACQUISITION, TECHNOLOGY, AND LOGISTICS.

3 Section 901(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2339; 10 U.S.C. 133a note) is amended by striking paragraph (2).
SEC. 902. CLARIFICATION OF AUTHORITY OF UNDER SECRETARY OF DEFENSE FOR ACQUISITION AND SUSTAINMENT WITH RESPECT TO SERVICE ACQUISITION PROGRAMS FOR WHICH THE SERVICE ACQUISITION EXECUTIVE IS THE MILESTONE DECISION AUTHORITY.

Effective on February 1, 2018, and immediately after the coming into effect of the amendment made by section 901(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2340), subsection (b)(6) of section 133b of title 10, United States Code, as added by such section 901(b), is amended by striking “supervisory authority” and inserting “advisory authority”.

SEC. 903. EXECUTIVE SCHEDULE MATTERS RELATING TO UNDER SECRETARY OF DEFENSE FOR ACQUISITION AND SUSTAINMENT.

(a) REPEAL OF PENDING EXECUTIVE SCHEDULE AMENDMENT.—Section 901(h) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2342; 5 U.S.C. 5313 note) is amended—

(1) by striking “new items” and inserting “new item”; and

(2) by striking the item relating to the Under Secretary of Defense for Acquisition and Sustainment.
(b) EXECUTIVE SCHEDULE LEVEL III.—Effective on February 1, 2018, section 5314 of title 5, United States Code, is amended by inserting before the item relating to the Under Secretary of Defense for Policy the following new item:

“Under Secretary of Defense for Acquisition and Sustainment.”

SEC. 904. CONSISTENT PERIOD OF RELIEF FROM ACTIVE DUTY AS A COMMISSIONED OFFICER OF A REGULAR COMPONENT OF THE ARMED FORCES FOR APPOINTMENT TO UNDER SECRETARY OF DEFENSE POSITIONS.

Chapter 4 of title 10, United States Code, is amended—

(1) in section 135(a), by adding at the end the following new sentence: “A person may not be appointed as Under Secretary within seven years after relief from active duty as a commissioned officer of a regular component of the armed forces.”;

(2) in section 136(a), by adding at the end the following new sentence: “A person may not be appointed as Under Secretary within seven years after relief from active duty as a commissioned officer of a regular component of the armed forces.”; and
(3) in section 137(a), by adding at the end the following new sentence: “A person may not be appointed as Under Secretary within seven years after relief from active duty as a commissioned officer of a regular component of the armed forces.”.

SEC. 905. QUALIFICATIONS FOR APPOINTMENT AND ADDITIONAL DUTIES AND POWERS OF CERTAIN OFFICIALS WITHIN THE OFFICE OF THE UNDER SECRETARY OF DEFENSE (COMPTROLLER).

(a) Under Secretary of Defense (Comptroller).—

(1) Qualification for Appointment.—Section 135(a) of title 10, United States Code, as amended by section 904, is further amended—

(A) by inserting “(1)” after “(a)”; and

(B) by adding at the end the following new paragraph:

“(2) The Under Secretary of Defense (Comptroller) shall be appointed from among persons who have significant budget, financial management, or audit experience in complex organizations.”.

(2) Duties and Powers.—Section 135 of title 10, United States Code, is further amended—
(A) by redesignating subsections (d) and (e) as subsections (e) and (f), respectively; and

(B) by inserting after subsection (c) the following new subsection (d):

“(d) In addition to any duties under subsection (c), the Under Secretary of Defense (Comptroller) shall, subject to the authority, direction, and control of the Secretary of Defense, do the following:

“(1) Provide guidance and instruction on annual performance plans and evaluations to the following:

“(A) The Assistant Secretaries of the military departments for financial management.

“(B) Any other official of an agency, organization, or element of the Department of Defense with responsibility for financial management.

“(2) Give directions to the military departments, Defense Agencies, and other organizations and elements of the Department of Defense regarding their financial statements and the audit and audit readiness of such financial statements.”.

(b) QUALIFICATION FOR APPOINTMENT AS DEPUTY CHIEF FINANCIAL OFFICER.—The Deputy Chief Financial Officer of the Department of Defense shall be ap-
pointed from among persons who have significant budget,
financial management, or audit experience in complex or-
organizations.

(c) Applicability.—The appointment qualifications
imposed by the amendments made by subsection (a)(1)
and the appointment qualifications imposed by subsection
(b) shall apply with respect to appointments as Under Sec-
retary of Defense (Comptroller) and Deputy Chief Finan-
cial Officer of the Department of Defense that are made
on or after the date of the enactment of this Act.

SEC. 906. REDESIGNATION OF PRINCIPAL DEPUTY UNDER
SECRETARIES OF DEFENSE AS DEPUTY
UNDER SECRETARIES OF DEFENSE AND RE-
LATED MATTERS.

(a) Redesignation.—Section 137a of title 10,
United States Code, is amended by striking “Principal”
each place it appears.

(b) Increase in Authorized Number.—Section
137a(a)(1) of title 10, United States Code, is amended
by striking “five” and inserting “six”.

(c) Replacement of ATL Position With Two
Positions in Connection With OSD Reform.—Effec-
tive on February 1, 2018, section 137a(e) of title 10,
United States Code, is amended—
(1) by redesignating paragraphs (2) through (5) as paragraphs (3) through (6), respectively; and

(2) by striking paragraph (1) and inserting the following new paragraphs:

“(1) One of the Deputy Under Secretaries is the Deputy Under Secretary of Defense for Research and Engineering.

“(2) One of the Deputy Under Secretaries is the Deputy Under Secretary of Defense for Acquisition and Sustainment.”.

(d) CONFORMING AMENDMENTS.—

(1) OSD.—Paragraph (6) of section 131(b) of title 10, United States Code, is amended to read as follows:

“(6) The Deputy Under Secretaries of Defense.”.

(2) PRECEDENCE.—Section 138(d) of title 10, United States Code, is amended by striking “Principal”.

(e) EXECUTIVE SCHEDULE LEVEL IV.—Section 5315 of title 5, United States Code, is amended—

(1) by striking “Principal” in the items relating to the Principal Deputy Under Secretary of Defense for Policy, the Principal Deputy Under Secretary of Defense for Personnel and Readiness, the Principal
Deputy Under Secretary of Defense (Comptroller), and the Principal Deputy Under Secretary of Defense for Intelligence; and

(2) by inserting before the item relating to the Deputy Under Secretary of Defense for Policy, as amended by paragraph (1), the following new items:

“Deputy Under Secretary of Defense for Research and Engineering.

“Deputy Under Secretary of Defense for Acquisition and Sustainment.”.

(f) CLERICAL AMENDMENTS.—

(1) HEADING AMENDMENT.—The heading of section 137a of title 10, United States Code, is amended to read as follows:

“§ 137a. Deputy Under Secretaries of Defense”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 4 of title 10, United States Code, is amended by striking the item relating to section 137a and inserting the following new item:

“137a. Deputy Under Secretaries of Defense.”.
SEC. 907. REDUCTION OF NUMBER AND ELIMINATION OF
SPECIFIC DESIGNATIONS OF ASSISTANT SECRETARIES OF DEFENSE.

(a) Reduction of Authorized Number.—Section 138(a)(1) of title 10, United States Code, is amended by striking “14” and inserting “13”.

(b) Elimination of Certain Specific Designations.—Section 138(b) of title 10, United States Code, is amended—

(1) by striking paragraphs (2) and (3); and

(2) by redesignating paragraphs (4), (5), and (6) as paragraphs (2), (3), and (4), respectively.

SEC. 908. LIMITATION ON MAXIMUM NUMBER OF DEPUTY ASSISTANT SECRETARIES OF DEFENSE.

The maximum number of Deputy Assistant Secretaries of Defense after the date of the enactment of this Act may not exceed 48.

SEC. 909. APPOINTMENT AND RESPONSIBILITIES OF CHIEF INFORMATION OFFICER OF THE DEPARTMENT OF DEFENSE.

(a) Appointment Method and Qualifications.—Section 142(a) of title 10, United States Code, is amended by inserting before the period at the end the following: “, who shall be appointed by the President, by and with the advice and consent of the Senate, from among civilians who are qualified to serve as such officer”.

November 7, 2017 (7:01 p.m.)
(b) Clarification of Certain Responsibilities.—Section 142(b)(1)(I) of title 10, United States Code, is amended by striking “the networking and cyber defense architecture” and inserting “the information technology, networking, information assurance, cybersecurity, and cyber capability architectures”.

(e) Additional Responsibilities Related to Budgets and Standards.—Section 142(b) of title 10, United States Code, is amended—

(1) by redesignating paragraph (2) as paragraph (4); and

(2) by inserting after paragraph (1) the following new paragraphs:

“(2)(A) The Secretary of Defense, acting through the Under Secretary of Defense (Comptroller), shall require the Secretaries of the military departments and the heads of the Defense Agencies with responsibilities associated with any activity specified in paragraph (1) to transmit the proposed budget for such activities for a fiscal year and for the period covered by the future-years defense program submitted to Congress under section 221 of this title for that fiscal year to the Chief Information Officer for review under subparagraph (B) before submitting the proposed budget to the Under Secretary of Defense (Comptroller).
“(B) The Chief Information Officer shall review each proposed budget transmitted under subparagraph (A) and, not later than January 31 of the year preceding the fiscal year for which the budget is proposed, shall submit to the Secretary of Defense a report containing the comments of the Chief Information Officer with respect to all such proposed budgets, together with the certification of the Chief Information Officer regarding whether each proposed budget is adequate.

“(C) Not later than March 31 of each year, the Secretary of Defense shall submit to Congress a report specifying each proposed budget contained in the most-recent report submitted under subparagraph (B) that the Chief Information Officer did not certify to be adequate. The report of the Secretary shall include the following matters:

“(i) A discussion of the actions that the Secretary proposes to take, together with any recommended legislation that the Secretary considers appropriate, to address the inadequacy of the proposed budgets specified in the report.

“(ii) Any additional comments that the Secretary considers appropriate regarding the inadequacy of the proposed budgets.

“(3)(A) The Secretary of a military department or head of a Defense Agency may not develop or procure in-
formation technology (as defined in section 11101 of title 40) that does not fully comply with such standards as the Chief Information Officer may establish.

“(B) The Chief Information Officer shall implement and enforce a process for—

“(i) developing, adopting, or publishing standards for information technology, networking, or cyber capabilities to which any military department or defense agency would need to adhere in order to run such capabilities on defense networks; and

“(ii) certifying on a regular and ongoing basis that any capabilities being developed or procured meets such standards as have been published by the Department at the time of certification.

“(C) The Chief Information Officer shall identify gaps in standards and mitigation plans for operating in the absence of acceptable standards.”.

(d) DIRECTION AND PRECEDENCE.—Section 142 of title 10, United States Code, is amended by adding at the end the following new subsections:

“(c) The Chief Information Officer of the Department of Defense shall report directly to the Secretary of Defense in the performance of duties under this section.

“(d) The Chief Information Officer of the Department of Defense takes precedence in the Department of
Defense with the officials serving in positions specified in section 131(b)(4) of this title. The officials serving in positions specified in such section and the Chief Information Officer take precedence among themselves in the order prescribed by the Secretary of Defense.”.

(e) ALTERNATIVE PROPOSAL.—Not later than March 1, 2018, the Secretary of Defense shall submit to the congressional defense committees a proposal for such alternatives or modifications to the realignment of responsibilities of the Chief Information Officer of the Department of Defense required by the amendments made by subsection (a) as the Secretary considers appropriate, together with an implementation plan for such proposal. The proposal may not be carried out unless approved by statute.

(f) SERVICE OF INCUMBENT WITHOUT FURTHER APPOINTMENT.—The individual serving in the position of Chief Information Officer of the Department of Defense as of January 1, 2019, may continue to serve in such position commencing as of that date without further appointment pursuant to section 142 of title 10, United States Code, as amended by this section.

(g) EFFECTIVE DATE OF AMENDMENTS.—The amendments made by this section shall take effect on January 1, 2019.
SEC. 910. CHIEF MANAGEMENT OFFICER OF THE DEPARTMENT OF DEFENSE.

(a) CHIEF MANAGEMENT OFFICER.—

(1) IN GENERAL.—Effective February 1, 2018, section 132a of title 10, United States Code, is amended to read as follows:

“§132a. Chief Management Officer

“(a) APPOINTMENT AND QUALIFICATIONS.—(1) There is a Chief Management Officer of the Department of Defense, appointed from civilian life by the President, by and with the advice and consent of the Senate.

“(2) The Chief Management Officer shall be appointed from among persons who have an extensive management or business background and experience with managing large or complex organizations. A person may not be appointed as Chief Management Officer within seven years after relief from active duty as a commissioned officer of a regular component of an armed force.

“(b) RESPONSIBILITIES.—Subject to the authority, direction, and control of the Secretary of Defense and the Deputy Secretary of Defense, the Chief Management Officer shall perform such duties and exercise such powers as the Secretary or the Deputy Secretary may prescribe, including the following:

“(1) Serving as the chief management officer of the Department of Defense with the mission of man-
aging enterprise business operations and shared
services of the Department of Defense.

“(2) Serving as the principal advisor to the Sec-
retary and the Deputy Secretary on establishing
policies for, and directing, all enterprise business op-
erations of the Department, including planning and
processes, business transformation, performance
measurement and management, and business infor-
mation technology management and improvement
activities and programs, including the allocation of
resources for enterprise business operations and uni-
ifying business management efforts across the De-
partment.

“(3) Exercising authority, direction, and control
over the Defense Agencies and Department of De-
fense Field Activities providing shared business serv-
dices for the Department that are designated by the
Secretary or the Deputy Secretary for purposes of
this paragraph.

“(4) As of January 1, 2019—

“(A) serving as the Chief Information Offi-
cer of the Department for purposes of section
2222 of this title;

“(B) administering the responsibilities and
duties specified in sections 11315 and 11319 of
title 40, section 3506(a)(2) of title 44, and section 2223(a) of this title for business systems and management; and

“(C) Exercising any responsibilities, duties, and powers relating to business systems or management that are exercisable by a chief information officer for the Department, other than those responsibilities, duties, and powers of a chief information officer that are vested in the Chief Information Officer of the Department of Defense by section 142 of this title.

“(5) Serving as the official with principal responsibility in the Department for providing for the availability of common, usable, Defense-wide data sets with applications such as improving acquisition outcomes and personnel management.

“(6) Authority to direct the Secretaries of the military departments and the heads of all other elements of the Department with regard to matters for which the Chief Management Officer has responsibility under this section.

“(c) PRECEDENCE.—The Chief Management Officer takes precedence in the Department of Defense after the Secretary of Defense and the Deputy Secretary of Defense.
“(d) **Enterprise Business Operation Defined.**—In this section, the term ‘enterprise business operations’ means those activities that constitute the cross-cutting business operations used by multiple components of the Department of Defense, but not those activities that are directly tied to a single military department or Department of Defense component. The term includes business-support functions designated by the Secretary of Defense or the Deputy Secretary of Defense for purposes of this section, such as aspects of financial management, healthcare, acquisition and procurement, supply chain and logistics, certain information technology, real property, and human resources operations.”.

(2) **Clerical Amendment.**—Effective February 1, 2018, the table of sections at the beginning of chapter 4 of title 10, United States Code, is amended by striking the item relating to section 132a and inserting the following new item:

“132a. Chief Management Officer.”.

(b) **Conforming Repeal of Prior Authorities on Chief Management Officer.**—

(1) **In General.**—Effective on January 31, 2018, subsection (c) of section 901 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2341; 10 U.S.C. 131 note) is repealed, and the amendments to be
made by paragraph (4) of that subsection shall not be made.

(2) **Further Conforming Amendments.**—

Effective on February 1, 2018, section 132 of title 10, United States Code, is amended—

(A) by striking subsection (c); and

(B) by redesignating subsection (d) as subsection (e).

(c) **Conforming Amendments on Precedence in DoD.**—Effective on February 1, 2018, and immediately after the coming into effect of the amendments made by section 901 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2339; 10 U.S.C. 131 note)—

(1) section 131(b) of title 10, United States Code, as amended by section 906(d)(1) of this Act, is further amended—

(A) by redesignating paragraphs (2) through (9) as paragraphs (3) through (10), respectively; and

(B) by inserting after paragraph (1) the following new paragraph (2):

“(2) The Chief Management Officer of the Department of Defense.”;

(2) section 133a(c) of such title is amended—
(A) in paragraph (1), by striking “and the Deputy Secretary of Defense” and inserting “, the Deputy Secretary of Defense, and the Chief Management Officer of the Department of Defense”; and

(B) in paragraph (2), by inserting “the Chief Management Officer,” after “the Deputy Secretary,”; and

(3) section 133b(c) of such title is amended—

(A) in paragraph (1), by inserting “the Chief Management Officer of the Department of Defense,” after “the Deputy Secretary of Defense,”; and

(B) in paragraph (2), by inserting “the Chief Management Officer,” after “the Deputy Secretary,”.

(d) EXECUTIVE SCHEDULE LEVEL II.—Effective on February 1, 2018, and immediately after the coming into effect of the amendment made by section 901(h) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2342; 5 U.S.C. 5313 note), section 5313 of title 5, United States Code, is amended by inserting before the item relating to the Under Secretary of Defense for Research and Engineering the following new item:
Chief Management Officer of the Department of Defense.”.

(c) SERVICE OF INCUMBENT DEPUTY CHIEF MANAGEMENT OFFICER AS CHIEF MANAGEMENT OFFICER UPON COMMENCEMENT OF LATTER POSITION WITHOUT FURTHER APPOINTMENT.—The individual serving in the position of Deputy Chief Management Officer of the Department of Defense as of February 1, 2018, may continue to serve as Chief Management Officer of the Department of Defense under section 132a of title 10, United States Code (as amended by subsection (a)), commencing as of that date without further appointment pursuant to such section 132a.

(f) DEFENSE AGENCIES AND FIELD ACTIVITIES PROVIDING SHARED BUSINESS SERVICES.—

(1) INITIAL REPORTING REQUIREMENT.—Not later than January 15, 2018, the Secretary of Defense shall submit to the congressional defense committees a report specifying each Defense Agency and Department of Defense Field Activity providing shared business services for the Department of Defense that is to be designated by the Secretary of Defense or the Deputy Secretary of Defense for purposes of subsection (b)(3) of section 132a of title 10,
United States Code (as amended by subsection (a)),
as of the coming into effect of such section 132a.

(2) NOTICE TO CONGRESS ON TRANSFER OF
OVERSIGHT.—Upon the transfer to the Chief Man-
agement Officer of the Department of Defense of res-
ponsibility for oversight of shared business services
of a Defense Agency or Department of Defense
Field Activity specified in the report required by
paragraph (1), the Secretary of Defense shall submit
to the congressional defense committees a notice of
the transfer, including the Defense Agency or Field
Activity subject to the transfer and a description of
the nature and scope of the responsibility for over-
sight transferred.

Subtitle B—Data Management and
Analytics

SEC. 911. POLICY ON TREATMENT OF DEFENSE BUSINESS
SYSTEM DATA RELATED TO BUSINESS OPER-
ATIONS AND MANAGEMENT.

(a) ESTABLISHMENT OF POLICY.—Not later than
one year after the date of the enactment of this Act, the
Secretary of Defense shall establish a data policy for the
Department of Defense that mandates that any data con-
tained in a defense business system related to business
operations and management is an asset of the Department of Defense.

(b) AVAILABILITY.—As part of the policy required by subsection (a), the Secretary of Defense shall ensure that, except as otherwise provided by law or regulation, data described in such subsection shall be made readily available to members of the Office of the Secretary of Defense, the Joint Staff, the military departments, the combatant commands, the Defense Agencies, the Department of Defense Field Activities, and all other offices, agencies, activities, and commands of the Department of Defense, as applicable.

SEC. 912. TRANSPARENCY OF DEFENSE MANAGEMENT DATA.

(a) COMMON ENTERPRISE DATA.—

(1) IN GENERAL.—Section 2222(e) of title 10, United States Code, is amended by adding at the end the following new paragraphs:

“(5) COMMON ENTERPRISE DATA.—The defense business enterprise shall include enterprise data that may be automatically extracted from the relevant systems to facilitate Department of Defense-wide analysis and management of its business operations.

“(6) ROLES AND RESPONSIBILITIES.—
“(A) The Chief Management Officer of the Department of Defense shall have primary decision-making authority with respect to the development of common enterprise data. In consultation with the Defense Business Council, the Chief Management Officer shall—

“(i) develop an associated data governance process; and

“(ii) oversee the preparation, extraction, and provision of data across the defense business enterprise.

“(B) The Chief Management Officer and the Under Secretary of Defense (Comptroller) shall—

“(i) in consultation with the Defense Business Council, document and maintain any common enterprise data for their respective areas of authority;

“(ii) participate in any related data governance process;

“(iii) extract data from defense business systems as needed to support priority activities and analyses;

“(iv) when appropriate, ensure the source data is the same as that used to
produce the financial statements subject to annual audit;

“(v) in consultation with the Defense Business Council, provide access, except as otherwise provided by law or regulation, to such data to the Office of the Secretary of Defense, the Joint Staff, the military departments, the combatant commands, the Defense Agencies, the Department of Defense Field Activities, and all other offices, agencies, activities, and commands of the Department of Defense; and

“(vi) ensure consistency of the common enterprise data maintained by their respective organizations.

“(C) The Director of Cost Assessment and Program Evaluation shall have access to data for the purpose of executing missions as designated by the Secretary of Defense.

“(D) The Secretary of Defense, the Chairman of the Joint Chiefs of Staff, the Secretaries of the military departments, commanders of combatant commands, the heads of the Defense Agencies, the heads of the Department of Defense Field Activities, and the heads of all
other offices, agencies, activities, and commands
of the Department of Defense shall provide ac-
cess to the relevant system of such department,
combatant command, Defense Agency, Defense
Field Activity, or office, agency, activity, and
command organization, as applicable, and data
extracted from such system, for purposes of
automatically populating data sets coded with
common enterprise data.”.

(2) DEFINITIONS.—Section 2222(i) of title 10,
United States Code, is amended by adding at the
end the following new paragraphs:

“(10) COMMON ENTERPRISE DATA.—The term
‘common enterprise data’ means business operations
or management-related data, generally from defense
business systems, in a usable format that is auto-
matically accessible by authorized personnel and or-
ganizations.

“(11) DATA GOVERNANCE PROCESS.—The term
‘data governance process’ means a system to manage
the timely Department of Defense-wide sharing of
data described under subsection (a)(6)(A).”.

(b) DUTIES OF UNDER SECRETARY OF DEFENSE
(COMPTROLLER).—Section 135(b) of title 10, United
States Code, is amended in the second sentence by insert-
ing after “shall perform” the following: “the duties assigned to the Under Secretary in section 2222 of this title and”.

(c) DUTIES OF DIRECTOR OF COST ASSESSMENT AND PROGRAM EVALUATION.—Section 139a(d) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(9) Performing the duties assigned to the Director in section 2222 of this title.”.

(d) IMPLEMENTATION PLAN FOR COMMON ENTERPRISE DATA.—

(1) PLAN REQUIRED.—Not later than one year after the date of the enactment of this Act, the Deputy Secretary of Defense, acting through the Chief Management Officer of the Department of Defense, shall develop a plan to implement the amendments made by subsection (a).

(2) ELEMENTS.—At a minimum, the implementation plan required by paragraph (1) shall include the following elements:

(A) The major tasks required to implement the requirements imposed by the amendments made by subsection (a) and the recommended time frames for each task.
(B) The estimated resources required to complete each major task identified pursuant to subparagraph (A).

(C) Any challenges associated with each major task identified pursuant to subparagraph (A) and related steps to mitigate such challenge.

(D) A description of how data security issues will be appropriately addressed in the implementation of such requirements.

(E) A review of the curriculum taught at the National Defense University, the Defense Acquisition University, professional military educational institutions, and appropriate private sector academic institutions to determine the extent to which the curricula include appropriate courses on data management, data analytics and other evaluation-related methods.

(3) ROLE OF UNDER SECRETARY OF DEFENSE (COMPTROLLER).—The Under Secretary of Defense (Comptroller) shall ensure that the implementation plan required by paragraph (1) does not conflict with the financial statement audit priorities and timeline of the Department of Defense.
(4) Submission to Congress.—Upon completion of the implementation plan required by paragraph (1), the Chief Management Officer shall submit the plan to the congressional defense committees.

(e) Application of New Authorities Required.—

(1) Data analytics capability required.—Not later than September 30, 2020, the Chief Management Officer of the Department of Defense shall establish and maintain within the Department of Defense a data analytics capability for purposes of supporting enhanced oversight and management of the Defense Agencies and Department of Defense Field Activities.

(2) Elements.—The data analytics capability shall permit the following:

(A) The maintenance on a continuing basis of an accurate tabulation of the amounts expended by the Defense Agencies and Department of Defense Field Activities on Government and contractor personnel.

(B) The maintenance on a continuing basis of an accurate number of the personnel currently supporting the Defense Agencies and De-
partment of Defense Field Activities, including
the following:

(i) Members of the regular components of the Armed Forces.

(ii) Members of the reserve components of the Armed Forces.

(iii) Civilian employees of the Department of Defense.

(iv) Detachments, whether from another organization or element of the Department or from another department or agency of the Federal Government.

(C) The tracking of costs for employing contract personnel, including federally funded research and development centers.

(D) The maintenance on a continuing basis of the following:

(i) An identification of the functions being performed by each Defense Agency and Department of Defense Field Activity.

(ii) An accurate tabulation of the amounts being expended by each Defense Agency and Department of Defense Field Activity on its functions.

(3) REPORTING REQUIREMENTS.—
(A) **INTERIM REPORT.**—Not later than one year after the date of the enactment of this Act, the Chief Management Officer of the Department of Defense shall submit to the congressional defense committees a report on progress in establishing the data analytics capability. The report shall include the following:

(i) A description and assessment of the efforts of the Chief Management Officer through the date of the report to establish the data analytics capability.

(ii) A description of current gaps in the data required to establish the data analytics capability, and a description of the efforts to be undertaken to eliminate such gaps.

(B) **FINAL REPORT.**—Not later than December 31, 2020, the Chief Management Officer shall submit to the congressional defense committees a report on the data analytics capability as established pursuant to this section.

(f) **ADDITIONAL PILOT PROGRAMS REQUIRED.**—

(1) **IN GENERAL.**—The Secretary of Defense shall carry out pilot programs to develop data integration strategies for the Department of Defense to
address high-priority management challenges of the Department.

(2) **ELEMENTS.**—The pilot programs carried out under the authority of this subsection shall involve data integration strategies to address challenges of the Department with respect to the following:

(A) The budget of the Department.

(B) Logistics.

(C) Personnel security and insider threats.

(D) At least two other high-priority challenges of the Department identified by the Secretary for purposes of this subsection.

(3) **REPORT ON PILOT PROGRAMS.**—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report describing the pilot programs to be carried out under this section, including the challenge of the Department to be addressed by the pilot program and the manner in which the data integration strategy under the pilot program will address the challenge. If any proposed pilot program requires legislative action for the waiver or modification of a statutory requirement that otherwise prevents or impedes the imple-
mentation of the pilot program, the Secretary shall include in the report a recommendation for legislative action to waive or modify the statutory requirement.

SEC. 913. ESTABLISHMENT OF SET OF ACTIVITIES THAT USE DATA ANALYSIS, MEASUREMENT, AND OTHER EVALUATION-RELATED METHODS TO IMPROVE ACQUISITION PROGRAM OUTCOMES.

(a) Establishment Required.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall establish a set of activities that use data analysis, measurement, and other evaluation-related methods to improve the acquisition outcomes of the Department of Defense and enhance organizational learning.

(b) Types of Activities.—The set of activities established under subsection (a) may include any or all of the following: —

(1) Establishment of data analytics capabilities and organizations within an Armed Force.

(2) Development of capabilities in Department of Defense laboratories, test centers, and federally funded research and development centers to provide technical support for data analytics activities that
support acquisition program management and business process re-engineering activities.

(3) Increased use of existing analytical capabilities available to acquisition programs and offices to support improved acquisition outcomes.

(4) Funding of intramural and extramural research and development activities to develop and implement data analytics capabilities in support of improved acquisition outcomes.

(5) Publication, to the maximum extent practicable, and in a manner that protects classified and proprietary information, of data collected by the Department of Defense related to acquisition program costs and activities for access and analyses by the general public or Department research and education organizations.

(6) Promulgation by the Chief of Staff of the Army, the Chief of Naval Operations, the Chief of Staff of the Air Force, and the Commandant of the Marine Corps, in coordination with the Deputy Secretary of Defense, the Under Secretary of Defense for Research and Engineering, and the Under Secretary for Acquisition and Sustainment, of a consistent policy as to the role of data analytics in es-
establishing budgets and making milestone decisions for major defense acquisition programs.

(7) Continual assessment, in consultation with the private sector, of the efficiency of current data collection and analyses processes, so as to minimize the requirement for collection and delivery of data by, from, and to Government organizations.

(8) Promulgation of guidance to acquisition programs and activities on the efficient use, quality, and sharing of enterprise data between programs and organizations to improve acquisition program analytics and outcomes.

(9) Establishment of focused research and educational activities at the Defense Acquisition University, and appropriate private sector academic institutions, to support enhanced use of data management, data analytics, and other evaluation-related methods to improve acquisition outcomes.
Subtitle C—Organization of Other Department of Defense Offices and Elements

SEC. 921. QUALIFICATIONS FOR APPOINTMENT OF ASSISTANT SECRETARIES OF THE MILITARY DEPARTMENTS FOR FINANCIAL MANAGEMENT.

(a) Assistant Secretary of the Army.—Section 3016(b)(4) of title 10, United States Code, is amended—

(1) by inserting “(A)” after “(4)”; and

(2) by striking “The Assistant Secretary shall have as his principal responsibility” and inserting the following:

“(C) The principal responsibility of the Assistant Secretary shall be”; and

(3) by inserting after subparagraph (A), as designated by paragraph (1), the following new subparagraph (B):

“(B) The Assistant Secretary shall be appointed from among persons who have significant budget, financial management, or audit experience in complex organizations.”.

(b) Assistant Secretary of the Navy.—Section 5016(b)(3) of title 10, United States Code, is amended—

(1) by inserting “(A)” after “(3)”;
(2) by striking “The Assistant Secretary shall have as his principal responsibility” and inserting the following:

“(C) The principal responsibility of the Assistant Secretary shall be”; and

(3) by inserting after subparagraph (A), as designated by paragraph (1), the following new subparagraph (B):

“(B) The Assistant Secretary shall be appointed from among persons who have significant budget, financial management, or audit experience in complex organizations.”.

(c) ASSISTANT SECRETARY OF THE AIR FORCE.—

Section 8016(b)(3) of title 10, United States Code, is amended—

(1) by inserting “(A)” after “(3)”;

(2) by striking “The Assistant Secretary shall have as his principal responsibility” and inserting the following:

“(C) The principal responsibility of the Assistant Secretary shall be”; and

(3) by inserting after subparagraph (A), as designated by paragraph (1), the following new subparagraph (B):
“(B) The Assistant Secretary shall be appointed from among persons who have significant budget, financial management, or audit experience in complex organizations.”.

(d) APPLICABILITY.—The appointment qualifications imposed by the amendments made by this section shall apply with respect to an appointment as an Assistant Secretary of a military department for financial management that is made on or after the date of the enactment of this Act.

SEC. 922. MANNER OF CARRYING OUT REDUCTIONS IN MAJOR DEPARTMENT OF DEFENSE HEADQUARTERS ACTIVITIES PURSUANT TO HEADQUARTERS REDUCTION PLAN.

Section 346(b) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 796; 10 U.S.C. 111 note) is amended by adding at the end the following new paragraph:

“(5) MANNER OF CARRYING OUT REDUCTIONS.—

“(A) IN GENERAL.—The Secretary of Defense shall implement the headquarters reduction plan referred to in paragraph (1), as modified pursuant to that paragraph, so that reductions in major Department of Defense head-
quarters activities pursuant to the plan are carried out only after consideration of—

“(i) the current manpower levels of major Department of Defense headquarters activities;

“(ii) the historic manpower levels of major Department of Defense headquarters activities;

“(iii) the mission requirements of major Department of Defense headquarters activities; and

“(iv) the anticipated staffing needs of major Department of Defense headquarters activities necessary to meet national defense objectives.

“(B) CONFORMING MODIFICATION OF PLAN FOR ACHIEVEMENT OF COST SAVINGS.— The Secretary of Defense shall modify the plan for achievement of cost savings required by subsection (a) to take into account the requirement specified in subparagraph (A).”
SEC. 923. CERTIFICATIONS ON COST SAVINGS ACHIEVED BY

REDUCTIONS IN MAJOR DEPARTMENT OF DE-

FENSE HEADQUARTERS ACTIVITIES.

Section 346(b) of the National Defense Authorization

Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.

796 10 U.S.C. 111 note), as amended by section 922, is

further amended by adding at the end the following new

paragraph:

“(6) CERTIFICATIONS ON COST SAVINGS

ACHIEVED.—Not later than 120 days after the date

of the enactment of this paragraph, and not later

than 60 days after the end of each of fiscal years

2018 through 2020, the Director of Cost Assess-

ment and Program Evaluation shall certify to the

Secretary of Defense, and to the congressional de-

fense committees, the following:

“(A) The validity of the cost savings

achieved for each major Department of Defense

headquarters activity during the previous fiscal

year, including the cost of personnel detailed by

another Department entity to the headquarters

activity.

“(B) Whether the cost savings achieved for

each major Department of Defense head-

quarters activity during that fiscal year met the

savings objective for the headquarters activity
for that fiscal year, as established pursuant to paragraph (1).”.

SEC. 924. CORROSION CONTROL AND PREVENTION EXECUTIVES MATTERS.

(a) Scope and level of positions.—Section 903(a) of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 10 U.S.C. 2228 note) is amended—

(1) by striking “shall be the senior official” and inserting “shall be a senior official”; and

(2) by adding at the end the following new sentence: “Each individual so designated shall be a senior civilian employee of the military department concerned in pay grade GS–15 or higher.”.

(b) Qualifications.—Section 903 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 10 U.S.C. 2228 note) is further amended—

(1) by redesignating subsection (b) as subsection (c); and

(2) by inserting after subsection (a) the following new subsection (b):

“(b) Qualifications.—Any individual designated as a corrosion control and prevention executive of a military department pursuant to subsection (a) shall—
“(1) have a working knowledge of corrosion prevention and control;
“(2) have strong program management and communication skills; and
“(3) understand the acquisition, research, development, test, and evaluation, and sustainment policies and procedures of the military department, including for the sustainment of infrastructure.”

SEC. 925. BACKGROUND AND SECURITY INVESTIGATIONS FOR DEPARTMENT OF DEFENSE PERSONNEL.

(a) Transition to Discharge by Defense Security Service.—

(1) Secretarial Authority.—The Secretary of Defense has the authority to conduct security, suitability, and credentialing background investigations for Department of Defense personnel. In carrying out such authority, the Secretary may use such authority, or may delegate such authority to another entity.

(2) Phased Transition.—As part of providing for the conduct of background investigations initiated by the Department of Defense through the Defense Security Service by not later than the deadline specified in subsection (b), the Secretary shall, in consultation with the Director of the Office of Per-
sonnel Management, provide for a phased transition from the conduct of such investigations by the National Background Investigations Bureau of the Office of Personnel Management to the conduct of such investigations by the Defense Security Service by that deadline.

(3) Transition Elements.—The phased transition required by paragraph (2) shall—

(A) provide for the transition of the conduct of investigations to the Defense Security Service using a risk management approach; and

(B) be consistent with the transition from legacy information technology operated by the Office of Personnel Management to the new information technology, including the National Background Investigations System, as described in subsection (f).

(b) Commencement of Implementation Plan for Ongoing Discharge of Investigations Through DSS.—Not later than October 1, 2020, the Secretary of Defense shall commence carrying out the implementation plan developed pursuant to section 951(a)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2371; 10 U.S.C. 1564 note).
(c) TRANSFER OF CERTAIN FUNCTIONS WITHIN DoD TO DSS.—

(1) TRANSFER REQUIRED.—For purposes of meeting the requirements in subsections (a) and (b), the Secretary of Defense shall transfer to the Defense Security Service the functions, personnel, and associated resources of the following organizations:

(A) The Consolidated Adjudications Facility.

(B) Other organizations identified by the Secretary for purposes of this paragraph.

(2) SUPPORTING ORGANIZATIONS.—In addition to the organizations identified pursuant to paragraph (1), the following organizations shall prioritize resources to directly support the execution of requirements in subsections (a) and (b):


(B) The Defense Digital Service.

(C) Other organizations designated by the Secretary for purposes of this paragraph.

(3) TIMING AND MANNER OF TRANSFER.—The Secretary—

(A) may carry out the transfer required by paragraph (1) at any time before the date spec-
ified in subsection (b) that the Secretary con-
siders appropriate for purposes of this section;
and

(B) shall carry out the transfer in a man-
ner designed to minimize disruptions to the
conduct of background investigations for per-
sonnel of the Department of Defense.

(d) TRANSFER OF CERTAIN FUNCTIONS IN OPM TO
DSS.—

(1) IN GENERAL.—For purposes of meeting the
requirements in subsections (a) and (b), the Sec-
retary of Defense shall provide for the transfer of
the functions described in paragraph (2), and any
associated personnel and resources, to the Depart-
ment of Defense.

(2) FUNCTIONS.—The functions to be trans-
ferred pursuant to paragraph (1) are the following:

(A) Any personnel security investigations
functions transferred by the Secretary to the
Director of the Office of Personnel Management
pursuant to section 906 of the National De-
fense Authorization Act for Fiscal Year 2004

(B) Any other functions of the Office of
Personnel Management in connection with
background investigations initiated by the Department of Defense that the Secretary and the Director jointly consider appropriate.

(3) ASSESSMENT.—In carrying out the transfer of functions pursuant to paragraph (1), the Secretary shall conduct a comprehensive assessment of workforce requirements for both the Department of Defense and the National Background Investigations Bureau synchronized to the transition plan, including a forecast of workforce needs across the current future-years defense plan for the Department. Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the appropriate congressional committees a report containing the results of the assessment.

(4) CONSULTATION.—The Secretary shall carry out paragraphs (1), (2), and (3) in consultation with the Director of the Office of Personnel Management and the Director of the Office of Management and Budget.

(5) LOCATION WITHIN DOD.—Any functions transferred to the Department of Defense pursuant to this subsection shall be located within the Defense Security Service.
(e) CONDUCT OF CERTAIN ACTIONS.—For purposes of the conduct of background investigations following the commencement of carrying out the implementation plan referred to in subsection (b), the Secretary of Defense shall provide for the following:

(1) A single capability for the centralized funding, submissions, and processing of all background investigations, from within the Defense Security Service.

(2) The discharge by the Consolidated Adjudications Facility, from within the Defense Security Service pursuant to transfer under subsection (c), of adjudications in connection with the following:

(A) Background investigations.

(B) Continuous evaluation and vetting checks.

(f) ENHANCEMENT OF INFORMATION TECHNOLOGY CAPABILITIES OF NBIS.—

(1) IN GENERAL.—The Secretary of Defense shall conduct a review of the information technology capabilities of the National Background Investigations System in order to determine whether enhancements to such capabilities are required for the following:
(A) Support for background investigations pursuant to this section and section 951 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2371; 10 U.S.C. 1564 note).

(B) Support of the National Background Investigations Bureau.

(C) Execution of the conduct of background investigations initiated by the Department of Defense pursuant to this section, including submissions and adjudications.

(2) COMMON COMPONENT.—In providing for the transition and operation of the National Background Investigations System as described in paragraph (1)(C), the Secretary shall develop a common component of the System usable for background investigations by both the Defense Security Service and the National Background Investigations Bureau.

(3) ENHANCEMENTS.—If the review pursuant to paragraph (1) determines that enhancements described in that paragraph are required, the Secretary shall carry out such enhancements.
(4) **Consultation.**—The Secretary shall carry out this subsection in consultation with the Director of the Office of Personnel Management.

(g) **Use of Certain Private Industry Data.**—In carrying out background and security investigations pursuant to this section and section 951 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2371; 10 U.S.C. 1564 note), the Secretary of Defense may use background materials collected on individuals by the private sector, in accordance with national policies and standards, that are applicable to such investigations, including materials as follows:

1. Financial information, including credit scores and credit status.
2. Criminal records.
3. Drug screening.
4. Verifications of information on resumes and employment applications, such as previous employers, educational achievement, and educational institutions attended.
5. Other publicly available electronic information.

(h) **Security Clearances for Contractor Personnel.**—
611

(1) **In General.**—The Secretary of Defense shall review the requirements of the Department of Defense relating to position sensitivity designations for contractor personnel in order to determine whether such requirements may be reassessed or modified to reduce the number and range of contractor personnel who are issued security clearances in connection with work under contracts with the Department.

(2) **Guidance.**—The Secretary shall issue guidance to program managers, contracting officers, and security personnel of the Department specifying requirements for the review of contractor position sensitivity designations and the number of contractor personnel of the Department who are issued security clearances for the purposes of determining whether the number of such personnel who are issued security clearances should and can be reduced.

(i) **Personnel To Support The Transfer Of Functions.**—The Secretary of Defense shall authorize the Director of the Defense Security Service to promptly increase the number of personnel of the Defense Security Service for the purpose of beginning the establishment and expansion of investigative capacity to support the phased
transfer of investigative functions from the Office of Personnel Management to the Department of Defense under this section. The Director of Cost Analysis and Program Assessment shall advise the Secretary on the size of the initial investigative workforce and the rate of growth of that workforce.

(j) REPORT ON FUTURE PERIODIC REINVESTIGATIONS, INSIDER THREAT, AND CONTINUOUS VETTING.—

(1) REPORT REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees a report that includes the following:

(A) An assessment of the feasibility and advisability of periodic reinvestigations of backgrounds of Government and contractor personnel with security clearances, including lessons from all of the continuous evaluation pilots being conducted throughout the Government, and identification of new or additional data sources and data analytic tools needed for improving current continuous evaluation or vetting capabilities.

(B) A plan to provide the Government with an enhanced risk management model that re-
duces the gaps in coverage perpetuated by the current time-based periodic reinvestigations model, particularly in light of the increasing use of continuous background evaluations of personnel referred to in subparagraph (A).

(C) A plan for expanding continuous background vetting capabilities, such as the Installation Matching Engine for Security and Analysis, to the broader population, including those at the lowest tiers and levels of access, which plan shall include details to ensure that all individuals credentialed for physical access to Department of Defense facilities and installations are vetted to the same level of fitness determinations and subject to appropriate continuous vetting.

(D) A plan to fully integrate and incorporate insider threat data, tools, and capabilities into the new end-to-end vetting processes and supporting information technology established by the Defense Security Service to ensure a holistic and transformational approach to detecting, deterring, and mitigating threats posed by trusted insiders.
(2) **CONSULTATION.**—The Secretary shall prepare the report under paragraph (1) in consultation with the Director of National Intelligence and the Director of the Office of Personnel Management.

(k) **QUARTERLY AND ANNUAL BRIEFINGS AND REPORTS.**—

(1) **ANNUAL ASSESSMENT OF TIMELINESS.**—

Not later than December 31, 2018, and each December 31 thereafter through the date specified in paragraph (4), the Security Executive Agent, in coordination with the Chair and other Principals of the Security, Suitability, and Credentialing Performance Accountability Council, shall submit to the appropriate committees of Congress a report on the timeliness of personnel security clearance initiations, investigations, and adjudications, by clearance level, for both initial investigations and periodic reinvestigations during the prior fiscal year for Government and contractor employees, including the following:

(A) The average periods of time taken by each authorized investigative agency and authorized adjudicative agency to initiate cases, conduct investigations, and adjudicate cases as compared with established timeliness objectives, from the date a completed security clearance
application is received to the date of adjudication and notification to the subject and the subject’s employer.

(B) The number of initial investigations and periodic reinvestigations initiated and adjudicated by each authorized adjudicative agency.

(C) The number of initial investigations and periodic reinvestigations carried over from prior fiscal years by each authorized investigative and adjudicative agency.

(D) The number of initial investigations and periodic reinvestigations that resulted in a denial or revocation of a security clearance by each authorized adjudicative agency.

(E) The costs to the executive branch related to personnel security clearance initiations, investigations, adjudications, revocations, and continuous evaluation.

(F) A discussion of any impediments to the timely processing of personnel security clearances.

(G) The number of clearance holders enrolled in continuous evaluation and the numbers and types of adverse actions taken as a result by each authorized adjudicative agency.
(H) The number of personnel security clearance cases, both initial investigations and periodic reinvestigations, awaiting or under investigation by the National Background Investigations Bureau.

(I) Other information as appropriate, including any recommendations to improve the timeliness and efficiency of personnel security clearance initiations, investigations, and adjudications.

(2) QUARTERLY BRIEFINGS.—Not later than the end of each calendar-year quarter beginning after January 1, 2018, through the date specified in paragraph (4), the Secretary of Defense shall provide the appropriate congressional committees a briefing on the progress of the Secretary in carrying out the requirements of this section during that calendar-year quarter. Until the backlog of security clearance applications at the National Background Investigations Bureau is eliminated, each quarterly briefing shall also include the current status of the backlog and the resulting mission and resource impact to the Department of Defense and the defense industrial base. Until the phased transition described in subsection (a) is complete, each quarterly briefing
shall also include identification of any resources planned for movement from the National Background Investigations Bureau to the Department of Defense during the next calendar-year quarter.

(3) ANNUAL REPORTS.—Not later than December 31, 2018, and each December 31 thereafter through the date specified in paragraph (4), the Secretary of Defense shall submit to the appropriate congressional committees a report on the following for the calendar year in which the report is to be submitted:

(A) The status of the Secretary in meeting the requirements in subsections (a), (b), and (c).

(B) The status of any transfers to be carried out pursuant to subsection (d).

(C) An assessment of the personnel security capabilities of the Department of Defense.

(D) The average periods of time taken by each authorized investigative agency and authorized adjudicative agency to initiate cases, conduct investigations, and adjudicate cases as compared with established timeliness objectives, from the date a completed security clearance application is received to the date of adjudica-
tion and notification to the subject and the subject’s employer.

(E) The number of initial investigations and periodic reinvestigations initiated and adjudicated by each authorized adjudicative agency.

(F) The number of initial investigations and periodic reinvestigations carried over from prior fiscal years by each authorized investigative and adjudicative agency.

(G) The number of initial investigations and periodic reinvestigations that resulted in a denial or revocation of a security clearance by each authorized adjudicative agency.

(H) The costs to the Department of Defense related to personnel security clearance initiations, investigations, adjudications, revocations, and continuous evaluation.

(I) A discussion of any impediments to the timely processing of personnel security clearances.

(J) The number of clearance holders enrolled in continuous evaluation and the numbers and types of adverse actions taken as a result.

(K) The number of personnel security clearance cases, both initial investigations and
periodic reinvestigations, awaiting or under investigation by the National Background Investigations Bureau.

(L) Other information that the Secretary considers appropriate, including any recommendations to improve the timeliness and efficiency of personnel security clearance initiatives, investigations, and adjudications.

(4) TERMINATION.—No briefing or report is required under this subsection after December 31, 2021.

(l) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the Committees on Armed Services, Appropriations, Homeland Security and Governmental Affairs, and the Select Committee on Intelligence of the Senate; and

(2) the Committees on Armed Services, Appropriations, Oversight and Government Reform, and the Permanent Select Committee on Intelligence of the House of Representatives.
Subtitle D—Miscellaneous

Reporting Requirements

SEC. 931. ADDITIONAL ELEMENTS IN REPORTS ON POLICY, ORGANIZATION, AND MANAGEMENT GOALS OF THE SECRETARY OF DEFENSE FOR THE DEPARTMENT OF DEFENSE.

Section 912(a)(2) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2349) is amended by adding at the end the following new subparagraphs:

“(D) A civilian operating force structure sized for operational effectiveness that is manned, equipped, and trained to support deployment time and rotation ratios that sustain the readiness and needed retention levels of the regular and reserve components of the Armed Forces.

“(E) The hiring authorities and other actions that the Secretary of Defense or the Secretaries of the military departments will take to eliminate any gaps between desired programmed civilian workforce levels and the current size of the civilian workforce, set forth by mission and functional area.”.
SEC. 932. REPORT AND SENSE OF CONGRESS ON RESPONSIBILITY FOR DEVELOPMENTAL TEST AND EVALUATION WITHIN THE OFFICE OF THE SECRETARY OF DEFENSE.

(a) Report on Plans to Address Developmental Test and Evaluation Responsibilities Within the Office of the Secretary of Defense.—

(1) In general.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report containing a strategy to ensure that there is sufficient expertise, oversight, and policy direction on developmental test and evaluation within the Office of the Secretary of Defense after the completion of the reorganization of such Office required under section 901 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2339).

(2) Elements.—The report required by paragraph (1) shall address the following:

(A) The structure of the roles and responsibilities of the senior Department of Defense official responsible for developmental test and
evaluation, as distinct from operational test and 
evaluation or systems engineering.

(B) The location of the senior Department 
of Defense official responsible for developmental 
test and evaluation within the organizational 
structure of the Office of the Secretary of De-
fense.

(C) An estimate of personnel and other re-
sources that should be made available to the 
Senior Department of Defense official respon-
sible for developmental test and evaluation to 
ensure that such official can provide inde-
dependent expertise, oversight, and policy direc-
tion and guidance Department of Defense-wide.

(D) Methods to ensure that the senior De-
partment of Defense official responsible for de-
velopmental test and evaluation will be empow-
ered to facilitate Department of Defense-wide 
efficiencies by helping programs to optimize test 
designs and activities, including ensuring access 
to program data and participation in acquisi-
tion program oversight.

(E) Methods to ensure that an advocate 
for test and evaluation workforce will continue 
to exist within the acquisition workforce.
(b) **SENSE OF CONGRESS.**—It is the sense of Congress that—

(1) developmental testing is critical to reducing acquisition program risk by providing valuable information to support sound decision making;

(2) major defense acquisition programs often do not conduct enough developmental testing, so too many problems are first identified during operational testing, when they are expensive and time-consuming to fix; and

(3) in order to ensure that effective developmental testing is conducted on major defense acquisition programs, the Secretary of Defense should—

(A) carefully consider where the senior Department of Defense official responsible for developmental test and evaluation is located within the organizational structure of the Office of the Secretary of Defense; and

(B) ensure that such official has sufficient authority and resources to provide oversight and policy direction on developmental test and evaluation Department of Defense-wide.
SEC. 933. REPORT ON OFFICE OF CORROSION POLICY AND OVERSIGHT.

(a) REPORT REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report—

(1) evaluating the continued need for the Office of Corrosion Policy and Oversight; and

(2) containing a recommendation regarding whether to retain or terminate the Office.

(b) ASSESSMENT.—As part of the report required by subsection (a), the Secretary of Defense shall conduct an assessment to determine whether there is duplication in matters relating to corrosion prevention and control and mitigation of corrosion of the military equipment and infrastructure of the Department of Defense between the Office of Corrosion Policy and Oversight and other elements of the Department, including, in particular, the Corrosion Control and Prevention Executives of the military departments.

(c) RECOMMENDATION.—If the report required by subsection (a) includes a recommendation to terminate the Office of Corrosion Policy and Oversight, the Secretary of Defense shall include recommendations for such additional authorities, if any, for the military departments and
the Armed Forces as the Secretary considers appropriate to ensure the proper discharge by the Department of Defense of functions relating to corrosion prevention and control and mitigation of corrosion in the absence of the Office.

Subtitle D—Other Matters

SEC. 941. COMMISSION ON THE NATIONAL DEFENSE STRATEGY FOR THE UNITED STATES.

(a) Extension of Deadlines for Reporting and Briefing Requirements.—Section 942(e) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2368) is amended—

(1) in paragraph (1), by striking “December 1, 2017” and inserting “July 1, 2018”; and

(2) in paragraph (2), by striking “June 1, 2017” and inserting “March 1, 2018”.

(b) Treatment of Commission.—Section 942 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2368) is amended by adding at the end the following new subsection:

“(h) Legislative Advisory Committee.—The Commission shall operate as a legislative advisory committee and shall not be subject to the provisions of the Federal Advisory Committee Act (Public Law 92–463; 5 U.S.C. App.) or section 552b of title 5, United States
1 Code (commonly known as the Government in the Sun-
shine Act).”.

3 TITLE X—GENERAL PROVISIONS

Subtitle A—Financial Matters

Sec. 1001. General transfer authority.
Sec. 1002. Consolidation, codification, and improvement of certain authorities 
and requirements in connection with the audit of the financial 
statements of the Department of Defense.
Sec. 1003. Improper payment matters.
Sec. 1004. Rankings of auditability of financial statements of the organizations 
and elements of the Department of Defense.
Sec. 1005. Financial operations dashboard for the Department of Defense.
Sec. 1006. Review and recommendations on efforts to obtain audit opinion on 
full financial statements.
Sec. 1007. Notification requirement for certain contracts for audit services.

Subtitle B—Counterdrug Activities

Sec. 1011. Extension of authority to support a unified counterdrug and 
counterterrorism campaign in Colombia.
Sec. 1012. Venue for prosecution of maritime drug trafficking.

Subtitle C—Naval Vessels and Shipyards

Sec. 1022. Use of National Sea-Based Deterrence Fund for multiyear procure-
ment of certain critical components.
Sec. 1023. Operational readiness of littoral combat ships on extended deploy-
ment.
Sec. 1024. Availability of funds for retirement or inactivation of Ticonderoga-
class cruisers or dock landing ships.
Sec. 1025. Policy of the United States on minimum number of battle force 
ships.
Sec. 1026. Surveying ships.

Subtitle D—Counterterrorism

Sec. 1031. Modification of authority on support of special operations to combat 
terrorism.
Sec. 1032. Termination of requirement to submit annual budget justification 
display for Department of Defense combating terrorism pro-
gram.
Sec. 1033. Prohibition on use of funds for transfer or release of individuals de-
tained at United States Naval Station, Guantanamo Bay, Cuba 
to the United States.
Sec. 1034. Prohibition on use of funds to construct or modify facilities in the 
United States to house detainees transferred from United 
States Naval Station, Guantanamo Bay, Cuba.
Sec. 1035. Prohibition on use of funds for transfer or release of individuals de-
tained at United States Naval Station, Guantanamo Bay, Cuba, to certain countries.
Sec. 1036. Prohibition on use of funds to close or relinquish control of United States Naval Station, Guantanamo Bay, Cuba.

Sec. 1037. Sense of Congress regarding providing for timely victim and family testimony in military commission trials.

Sec. 1038. Report on public availability of military commissions proceedings.

Subtitle E—Miscellaneous Authorities and Limitations

Sec. 1041. Limitation on expenditure of funds for emergency and extraordinary expenses for intelligence and counter-intelligence activities.

Sec. 1042. Matters relating to the submittal of future-years defense programs.

Sec. 1043. Modifications to humanitarian demining assistance authorities.

Sec. 1044. Prohibition on charge of certain tariffs on aircraft traveling through channel routes.

Sec. 1045. Prohibition on lobbying activities with respect to the Department of Defense by certain officers of the Armed Forces and civilian employees of the Department following separation from military service or employment with the Department.

Sec. 1046. Prohibition on use of funds for retirement of legacy maritime mine countermeasures platforms.

Sec. 1047. Report on western Pacific Ocean ship depot maintenance capability and capacity.

Sec. 1048. Annual training regarding the influence campaign of the Russian Federation.

Sec. 1049. Workforce issues for military realignments in the Pacific.

Subtitle F—Studies and Reports


Sec. 1052. Report on transfer of defense articles to units committing gross violations of human rights.

Sec. 1053. Report on the National Biodefense Analysis and Countermeasures Center.

Sec. 1054. Report on Department of Defense Arctic capability and resource gaps and required infrastructure.

Sec. 1055. Review and assessment of Department of Defense personnel recovery and nonconventional assisted recovery mechanisms.

Sec. 1056. Mine warfare readiness inspection plan and report.

Sec. 1057. Annual report on civilian casualties in connection with United States military operations.


Sec. 1060. Assessment of global force posture.

Sec. 1061. Army modernization strategy.

Sec. 1062. Report on Army plan to improve operational unit readiness by reducing number of non-deployable soldiers assigned to operational units.

Sec. 1063. Efforts to combat physiological episodes on certain Navy aircraft.

Sec. 1064. Studies on aircraft inventories for the Air Force.

Sec. 1065. Department of Defense review of Navy capabilities in the Arctic region.

Sec. 1066. Comprehensive review of maritime intelligence, surveillance, reconnaissance, and targeting capabilities.
Sec. 1067. Report on the need for a Joint Chemical-Biological Defense Logistics Center.

Sec. 1068. Missile Technology Control Regime Category I unmanned aerial vehicle systems.

Sec. 1069. Recommendations for interagency vetting of foreign investments affecting national security.

Sec. 1070. Briefing on prior attempted Russian cyber attacks against defense systems.

Sec. 1071. Enhanced analytical and monitoring capability of the defense industrial base.

Sec. 1072. Report on defense of combat logistics and strategic mobility forces.

Sec. 1073. Report on acquisition strategy to recapitalize the existing system for undersea fixed surveillance.

Sec. 1074. Report on implementation of requirements in connection with the organization of the Department of Defense for management of special operations forces and special operations.

Sec. 1075. Report on the global food system and vulnerabilities relevant to Department of Defense missions.

Subtitle G—Modernizing Government Technology

Sec. 1076. Definitions.

Sec. 1077. Establishment of agency information technology systems modernization and working capital funds.

Sec. 1078. Establishment of technology modernization fund and board.

Subtitle H—Other Matters

Sec. 1081. Technical, conforming, and clerical amendments.

Sec. 1082. Clarification of applicability of certain provisions of law to civilian judges of the United States Court of Military Commission Review.

Sec. 1083. Modification of requirement relating to conversion of certain military technician (dual status) positions to civilian positions.

Sec. 1084. National Guard accessibility to Department of Defense issued unmanned aircraft.

Sec. 1085. Sense of Congress regarding aircraft carriers.

Sec. 1086. Sense of Congress recognizing the United States Navy Seabees.

Sec. 1087. Construction of memorial to the crew of the Apollo I launch test accident at Arlington National Cemetery.


Sec. 1089. Prize competition to identify root cause of physiological episodes on Navy, Marine Corps, and Air Force training and operational aircraft.

Sec. 1090. Providing assistance to House of Representatives in response to cybersecurity events.

Sec. 1091. Transfer of surplus firearms to Corporation for the Promotion of Rifle Practice and Firearms Safety.

Sec. 1092. Collaboration between Federal Aviation Administration and Department of Defense on unmanned aircraft systems.

Sec. 1093. Carriage of certain programming.

Sec. 1094. National strategy for countering violent extremism.

Sec. 1095. Sense of Congress regarding World War I.

Sec. 1096. Notice to Congress of terms of Department of Defense settlement agreements.
Sec. 1097. Office of Special Counsel reauthorization.
Sec. 1098. Air transportation of civilian Department of Defense personnel to
and from Afghanistan.

Subtitle A—Financial Matters

SEC. 1001. GENERAL TRANSFER AUTHORITY.

(a) Authority to transfer authorizations.—

(1) Authority.—Upon determination by the
Secretary of Defense that such action is necessary in
the national interest, the Secretary may transfer
amounts of authorizations made available to the De-
partment of Defense in this division for fiscal year
2018 between any such authorizations for that fiscal
year (or any subdivisions thereof). Amounts of au-
thorizations so transferred shall be merged with and
be available for the same purposes as the authoriza-
tion to which transferred.

(2) Limitation.—Except as provided in para-
graph (3), the total amount of authorizations that
the Secretary may transfer under the authority of
this section may not exceed $4,500,000,000.

(3) Exception for transfers between
military personnel authorizations.—A trans-
fer of funds between military personnel authoriza-
tions under title IV shall not be counted toward the
dollar limitation in paragraph (2).

(b) Limitations.—The authority provided by sub-
section (a) to transfer authorizations—
(1) may only be used to provide authority for items that have a higher priority than the items from which authority is transferred; and

(2) may not be used to provide authority for an item that has been denied authorization by Congress.

effect on Authorization Amounts.—A transfer made from one account to another under the authority of this section shall be deemed to increase the amount authorized for the account to which the amount is transferred by an amount equal to the amount transferred.

(d) Notice to Congress.—The Secretary shall promptly notify Congress of each transfer made under subsection (a).

SEC. 1002. CONSOLIDATION, CODIFICATION, AND IMPROVEMENT OF CERTAIN AUTHORITIES AND REQUIREMENTS IN CONNECTION WITH THE AUDIT OF THE FINANCIAL STATEMENTS OF THE DEPARTMENT OF DEFENSE.

(a) Establishment of New Chapter on Audit.—

(1) In general.—Part I of subtitle A of title 10, United States Code, is amended by inserting after chapter 9 the following new chapter:
CHAPTER 9A—AUDIT

Sec. 251. Audit of Department of Defense financial statements.

252. Financial Improvement and Audit Remediation Plan.

253. Audit: consolidated corrective action plan; centralized reporting system.


254b. Audits: selection of service providers for audit services.”.

(2) CLERICAL AMENDMENTS.—The tables of chapters at the beginning of subtitle A of title 10, United States Code, and part I of such subtitle, are each amended by inserting after the item relating to chapter 9 the following new item:

“9A. Audit ........................................................................................................ 251”.

(b) REQUIREMENT FOR AUDIT OF FINANCIAL STATEMENTS.—

(1) IN GENERAL.—Chapter 9A of title 10, United States Code, as added by subsection (a), is amended by inserting after the table of sections a new section 251 as follows:

“§ 251. Audit of Department of Defense financial statements

(a) ANNUAL AUDIT REQUIRED.—The Secretary of Defense shall ensure that a full audit is performed on the financial statements of the Department of Defense for each fiscal year as required by section 3521(e) of title 31.

(b) ANNUAL REPORT ON AUDIT.—The Secretary shall submit to Congress the results of the audit per-
formed in accordance with subsection (a) for a fiscal year
by not later than March 31 of the following fiscal year.”.

(2) CONFORMING REPEAL.—Section 1003 of
the National Defense Authorization Act for Fiscal
Year 2014 (Public Law 113–66; 127 Stat. 842; 10
U.S.C. 2222 note) is repealed.

(e) FINANCIAL IMPROVEMENT AND AUDIT REMEDI-
ATION PLAN.—

(1) IN GENERAL.—Chapter 9A of title 10,
United States Code, as added and amended by this
section, is further amended by inserting after section
251, as added by subsection (b), a new section 252
consisting of—

(A) a heading as follows:

“§ 252. Financial Improvement and Audit Remedi-
ation Plan”; and

(B) a text consisting subsection (a) of sec-
tion 1003 of the National Defense Authoriza-
tion Act for Fiscal Year 2010 (10 U.S.C. 2222
note).

(2) AMENDMENTS IN CONNECTION WITH CODI-
FICATION.—Subsection (a) of section 252 of title 10,
United States Code, as added by paragraph (1), is
amended—
(A) in paragraph (1), by striking “develop and”; and

(B) in paragraph (2)(B), by striking “of title 10, United States Code” and inserting “of this title”.

(3) IMPROVEMENTS.—Such section 252, as added and amended by this subsection, is further amended—

(A) in the subsection headings for subsection (a), by striking “FINANCIAL IMPROVEMENT AND AUDIT READINESS PLAN” and inserting “FINANCIAL IMPROVEMENT AND AUDIT REMEDIATION PLAN”;

(B) in subsection (a)—

(i) in paragraph (1), by striking “Financial Improvement and Audit Readiness Plan” and inserting “Financial Improvement and Audit Remediation Plan”; and

(ii) in paragraph (2)—

(I) in subparagraph (A)—

(aa) by striking the matter preceding clause (i) and inserting the following:

“(A) describe specific actions to be taken, including interim milestones with a detailed de-
scription of the subordinate activities required,
and estimate the costs associated with—”;

(bb) in clause (ii), by striking “are validated as ready for
audit” and all that follows and inserting “go under full financial
statement audit, and that the Department leadership makes
every effort to reach an unmodified opinion as soon as possible;”;

and

(cc) by adding at the end the following new clauses:

“(iii) achieving an unqualified audit opinion for each major element of the statement of budgetary resources of the Department of Defense; and

“(iv) addressing the existence and completeness of each major category of Department of Defense assets; and”;

(II) in subparagraph (B)—

(aa) by inserting “business” before “process and control”;
635

(bb) by striking “the business enterprise architecture and transition plan required by”; and

(cc) by striking the semi-colon at the end and inserting a period; and

(III) by striking subparagraphs (C) and (D); and

(C) by inserting after subsection (a) the following new subsection (b):

“(b) REPORT AND BRIEFING REQUIREMENTS.—

“(1) ANNUAL REPORT.—

“(A) IN GENERAL.—Not later than June 30, 2019, and annually thereafter, the Under Secretary of Defense (Comptroller) shall submit to the congressional defense committees a report on the status of the implementation by the Department of Defense of the Financial Improvement and Audit Remediation Plan under subsection (a).

“(B) ELEMENTS.—Each report under subparagraph (A) shall include the following:

“(i) An analysis of the consolidated corrective action plan management sum-
mary prepared pursuant to section 253a of this title.

“(ii) Current Department of Defense-wide information on the status of corrective actions plans related to critical capabilities and material weaknesses, including the standard data elements recommended in the implementation guide for Office of Management and Budget Circular A–123, for the armed forces, military departments, and Defense Agencies.

“(iii) A current description of the work undertaken and planned to be undertaken by the Department of Defense, and the military departments, Defense Agencies, and other organizations and elements of the Department, to test and verify transaction data pertinent to obtaining an unqualified audit of their financial statements, including from feeder systems.

“(iv) A current projected timeline of the Department in connection with the audit of the full financial statements of the Department, to be submitted to Congress annually not later than six months after
the submittal to Congress of the budget of
the President for a fiscal year under sec-
tion 1105 of title 31, including the fol-
lowing:

“(I) The date on which the De-
partment projects the beginning of an
audit of the full financial statements
of the Department, and the military
departments, Defense Agencies, and
other organizations and elements of
the Department, for a fiscal year.

“(II) The date on which the De-
partment projects the completions of
audits of the full financial statements
of the Department, and the military
departments, Defense Agencies, and
other organizations and elements of
the Department, for a fiscal year.

“(III) The dates on which the
Department estimates it will obtain
an unqualified audit opinion on the
full financial statements of the De-
partment, the military departments,
the Defense Agencies, and other orga-
nizations and elements of the Department for a fiscal year.

“(v) A current estimate of the anticipated annual costs of maintaining an unqualified audit opinion on the full financial statements of the Department, the military departments, the Defense Agencies, and other organizations and elements of the Department for a fiscal year after an unqualified audit opinion on such full financial statements for a fiscal year is first obtained.

“(vi) A certification of the results of the audit of the financial statements of the Department performed for the preceding fiscal year, and a statement summarizing, based on such results, the current condition of the financial statements of the Department.

“(2) SEMIYEARLY BRIEFINGS.—Not later than January 31 and June 30 each year, the Under Secretary of Defense (Comptroller) and the comptrollers of the military departments shall provide a briefing to the congressional defense committees on the status of the corrective action plan.
“(3) Critical capabilities defined.—In this subsection, the term ‘critical capabilities’ means the critical capabilities described in the Department of Defense report titled ‘Financial Improvement and Audit Readiness (FIAR) Plan Status Report’ and dated May 2016.’’.

(4) Conforming repeal.—Section 1003 of the National Defense Authorization Act for Fiscal Year 2010 is repealed.

(d) Consolidated Corrective Action Plan.—

Chapter 9A of title 10, United States Code, as added and amended by this section, is further amended by adding after section 252, as added and amended by subsection (c), a new section 253 consisting of—

(1) a heading as follows:

§253. Audit: consolidated corrective action plan; centralized reporting system”; and

(2) a text as follows:

“The Under Secretary of Defense (Comptroller) shall—

“(1) on a bimonthly basis, prepare a consolidated corrective action plan management summary on the status of key corrective actions plans related to critical capabilities for the armed forces and for
the components of the Department of Defense that
support the armed forces; and

“(2) develop and maintain a centralized moni-
toring and reporting process that captures and
maintains up-to-date information, including the
standard data elements recommended in the imple-
mentation guide for Office of Management and
Budget Circular A–123, for key corrective action
plans and findings and recommendations Depart-
ment-wide that pertain to critical capabilities.”.

(e) Audit of DoD Components by Independent
External Auditors.—

(1) In general.—Chapter 9A of title 10,
United States Code, as added and amended by this
section, is further amended by adding after section
253, as added and amended by subsection (d), a new
section 254 consisting of—

(A) a heading as follows:

“§254. Audits: audit of financial statements of De-
partment of Defense components by inde-
pendent external auditors”; and

(B) a text consisting of the text of section
1005 of the National Defense Authorization Act
for Fiscal Year 2016 (Public Law 114–92; 129
(2) **Amendments in Connection with Codification.**—Section 254 of title 10, United States Code, as added by paragraph (1), is further amended—

(A) in subsections (d)(1)(A) and (e)(3), by striking ‘‘, United States Code’’; and

(B) in subsections (a) and (e)(2), by striking ‘‘, United States Code,’’.

(3) **Improvements.**—Such section 254, as added and amended by this subsection, is further amended—

(A) in subsection (d)(1)—

(i) in subparagraph (A), by inserting ‘‘and the Chief Management Officer of the Department of Defense’’ before the semi-colon;

(ii) in subparagraph (B), by striking ‘‘and’’ at the end;

(iii) by redesignating subparagraph (C) as subparagraph (D); and

(iv) by inserting after subparagraph (B), the following new subparagraph (C):

‘‘(C) the head of each component audited; and’’; and

(B) in subsection (e)—
(i) by striking paragraph (1); and

(ii) by redesignating paragraphs (2) and (3) as paragraphs (1) and (2), respectively.

(4) Conforming Repeal.—Section 1005 of the National Defense Authorization Act for Fiscal Year 2016 is repealed.

(f) Use of Commercial Data Integration and Analysis Products.—

(1) In General.—Chapter 9A of title 10, United States Code, as added and amended by this section, is further amended by adding after section 254, as added and amended by subsection (e), a new section 254a consisting of—

(A) a heading as follows:

“§ 254a. Audits: use of commercial data integration and analysis products in preparing audits”; and

(B) a text consisting of subsections (a) and (b) of section 1003 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2380; 10 U.S.C. 2222 note).
(2) Amendments in connection with codification.—Section 254a of title 10, United States Code, as added by paragraph (1), is amended—

(A) in subsection (a)—

(i) by striking “of title 10, United States Code,” and inserting “of this title”; and

(ii) by striking “, as soon as practicable,”; and

(B) in subsection (b), by striking “this deployment” and inserting “deployment of technologies and services as described in subsection (a)”.

(3) Conforming repeal.—Section 1003 of the National Defense Authorization Act for Fiscal Year 2017 is repealed.

(g) Selection of Service Providers for Audit Services.—

(1) In general.—Chapter 9A of title 10, United States Code, as added and amended by this section, is further amended by adding after section 254a, as added and amended by subsection (f), a new section 254b consisting of—

(A) a heading as follows:
§ 254b. Audits: selection of service providers for audit services; and


(2) IMPROVEMENT.—Section 254b of title 10, United States Code, as added by paragraph (1), is amended by striking “and audit readiness services”.

(3) CONFORMING REPEAL.—Section 892 of the National Defense Authorization Act for Fiscal Year 2017 is repealed.

(h) REPEAL OF CERTAIN REQUIREMENTS IN CONNECTION WITH RELIABILITY OF DOD FINANCIAL STATEMENTS.—Section 1008 of the National Defense Authorization Act for Fiscal Year 2002 (10 U.S.C. 113 note) is amended by striking subsections (d), (e), and (f).

SEC. 1003. IMPROPER PAYMENT MATTERS.

Subject to the authority, direction, and control of the Secretary of Defense, the Under Secretary of Defense (Comptroller) shall take the following actions:

(1) With regard to estimating improper payments:

(A) Establish and implement key quality assurance procedures, such as reconciliations, to
ensure the completeness and accuracy of sampled populations.

(B) Revise the procedures for the sampling methodologies of the Department of Defense so that such procedures—

(i) comply with Office of Management and Budget guidance and generally accepted statistical standards;

(ii) produce statistically valid improper payment error rates, statistically valid improper payment dollar estimates, and appropriate confidence intervals for both; and

(iii) in meeting clauses (i) and (ii), take into account the size and complexity of the transactions being sampled.

(2) With regard to identifying programs susceptible to significant improper payments, conduct a risk assessment that complies with the Improper Payments Elimination and Recovery Act of 2010 (Public Law 111–204) and the amendments made by that Act (in this section collectively referred to as “IPERA”).
(3) With regard to reducing improper payments, establish procedures that produce corrective action plans that—

(A) comply fully with IPERA and associated Office of Management and Budget guidance, including by holding individuals responsible for implementing corrective actions and monitoring the status of corrective actions; and

(B) are in accordance with best practices, such as those recommended by the Chief Financial Officers Council, including by providing for—

(i) measurement of the progress made toward remediating root causes of improper payments; and

(ii) communication to the Secretary of Defense and the heads of departments, agencies, and organizations and elements of the Department of Defense, and key stakeholders, on the progress made toward remediating the root causes of improper payments.

(4) With regard to implementing recovery audits for improper payments, develop and implement procedures to—
647

(A) identify costs related to the recovery
audits and recovery efforts of the Department
of Defense; and

(B) evaluate improper payment recovery
efforts in order to ensure that they are cost ef-
fective.

(5) Monitor the implementation of the revised
chapter of the Financial Management Regulations
on recovery audits in order to ensure that the De-
partment of Defense, the military departments, the
Defense Agencies, and the other organizations and
elements of the Department of Defense either con-
duct recovery audits or demonstrate that it is not
cost effective to do so.

(6) Develop and submit to the Office of Man-
agement and Budget for approval a payment recap-
ture audit plan that fully complies with Office of
Management and Budget guidance.

(7) With regard to reporting on improper pay-
ments, design and implement procedures to ensure
that the annual improper payment and recovery
audit reporting of the Department of Defense is
complete, accurate, and complies with IPERA and
associated Office of Management and Budget guid-
ance.
SEC. 1004. RANKINGS OF AUDITABILITY OF FINANCIAL STATEMENTS OF THE ORGANIZATIONS AND ELEMENTS OF THE DEPARTMENT OF DEFENSE.

Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall, in coordination with the Under Secretary of Defense (Comptroller), submit to the congressional defense committees a report setting forth a ranking of the auditability of the financial statements of the departments, agencies, organizations, and elements of the Department of Defense according to the progress made toward achieving auditability as required by law. The Under Secretary shall determine the criteria to be used for purposes of the rankings.

SEC. 1005. FINANCIAL OPERATIONS DASHBOARD FOR THE DEPARTMENT OF DEFENSE.

(a) In general.—The Under Secretary of Defense (Comptroller) shall develop and maintain on an Internet website available to Department of Defense agencies a tool (commonly referred to as a “dashboard”) to permit officials to track key indicators of the financial performance of the Department of Defense. Such key indicators may include outstanding accounts payable, abnormal accounts payable, outstanding advances, unmatched disbursements, abnormal undelivered orders, negative unliquidated obligations, violations of sections 1341 and 1517(a) of title 31,
United States Code (commonly referred to as the “Anti-Deficiency Act’’), costs deriving from payment delays, interest penalty payments, and improper payments, and actual savings realized through interest payments made, discounts for timely or advanced payments, and other financial management and improvement initiatives.

(b) INFORMATION COVERED.—The tool shall cover financial performance information for the military departments, the defense agencies, and any other organizations or elements of the Department of Defense.

(c) TRACKING OF PERFORMANCE OVER TIME.—The tool shall permit the tracking of financial performance over time, including by month, quarter, and year, and permit users of the tool to export both current and historical data on financial performance.

(d) UPDATES.—The information covered by the tool shall be updated not less frequently than quarterly.

SEC. 1006. REVIEW AND RECOMMENDATIONS ON EFFORTS TO OBTAIN AUDIT OPINION ON FULL FINANCIAL STATEMENTS.

(a) IN GENERAL.—The Secretary of Defense may establish within the Department of Defense a team of distinguished, private sector experts with experience conducting financial audits of large public or private sector organizations to review and make recommendations to improve the
efforts of the Department to obtain an audit opinion on its full financial statements.

(b) SCOPE OF ACTIVITIES.—A team established pursuant to subsection (a) shall—

(1) identify impediments to the progress of the Department in obtaining an audit opinion on its full financial statements, including an identification of the organizations or elements that are lagging in their efforts toward obtaining such audit opinion;

(2) estimate when an audit opinion on the full financial statements of the Department will be obtained; and

(3) consider mechanisms and incentives to support efficient achievement by the Department of its audit goals, including organizational mechanisms to transfer direction and management control of audit activities from subordinate organizations to the Office of the Secretary of Defense, individual personnel incentives, workforce improvements (including in senior leadership positions), business process, technology, and systems improvements (including the use of data analytics), and metrics by which the Secretary and Congress may measure and assess progress toward achievement of the audit goals of the Department.
(c) Reports.—

(1) Report on establishment of team.—If the Secretary takes action pursuant to subsection (a), the Secretary shall, not later than September 30, 2019, submit to the congressional defense committees a report on the team established pursuant to that subsection, including a description of the actions taken and to be taken by the team pursuant to subsection (b).

(2) Report on determination not to establish team.—If as of June 1, 2019, the Secretary has determined not to establish a team authorized by subsection (a), the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives on that date a report on the determination, including an explanation and justification for the determination.

SEC. 1007. NOTIFICATION REQUIREMENT FOR CERTAIN CONTRACTS FOR AUDIT SERVICES.

(a) Notification to Congress.—If the Under Secretary of Defense (Comptroller) makes a written finding that a delay in performance of a covered contract while a protest is pending would hinder the annual preparation of audited financial statements for the Department of Defense, and the head of the procuring activity responsible
for the award of the covered contract does not authorize
the award of the contract (pursuant to section 3553(c)(2)
of title 31, United States Code) or the performance of the
contract (pursuant to section 3553(d)(3)(C) of such title),
the Secretary of Defense shall—

   (1) notify the congressional defense committees
within 10 days after such finding is made; and

   (2) describe any steps the Department of De-
fense plans to take to mitigate any hindrance identi-
fied in such finding to the annual preparation of au-
dited financial statements for the Department.

(b) COVERED CONTRACT DEFINED.—In this section,
the term “covered contract” means a contract for services
to perform an audit to comply with the requirements of
section 3515 of title 31, United States Code.

Subtitle B—Counterdrug Activities

SEC. 1011. EXTENSION OF AUTHORITY TO SUPPORT A UNI-
IFIED COUNTERDRUG AND COUNTERTER-
RORISM CAMPAIGN IN COLOMBIA.

Section 1021 of the Ronald W. Reagan National De-
fense Authorization Act for Fiscal Year 2005 (Public Law
108–375; 118 Stat. 2042), as most recently amended by
section 1013 of the National Defense Authorization Act
for Fiscal Year 2017 (Public Law 114–328; 130 Stat.
2385), is further amended—
(1) in subsection (a)(1), by striking “2019” and inserting “2022”; and

(2) in subsection (c), by striking “2019” and inserting “2022”.

SEC. 1012. VENUE FOR PROSECUTION OF MARITIME DRUG TRAFFICKING.

(a) In General.—Section 70504(b) of title 46, United States Code, is amended to read as follows:

“(b) VENUE.—A person violating section 70503 or 70508—

“(1) shall be tried in the district in which such offense was committed; or

“(2) if the offense was begun or committed upon the high seas, or elsewhere outside the jurisdiction of any particular State or district, may be tried in any district.”.

(b) Conforming Amendment.—Section 1009(d) of the Controlled Substances Import and Export Act (21 U.S.C. 959(d)) is amended—

(1) in the subsection title, by striking “; VENUE”; and

(2) by striking “Any person who violates this section shall be tried in the United States district court at the point of entry where such person enters
the United States, or in the United States District
Court for the District of Columbia.”.

**Subtitle C—Naval Vessels and
Shipyards**

**SEC. 1021. NATIONAL DEFENSE SEALIFT FUND.**

(a) **Fund Purposes; Deposits.**—Section 2218 of
title 10, United States Code, is amended—

(1) in subsection (c)—

(A) in paragraph (1)—

(i) by striking subparagraph (D); and

(ii) by redesignating subparagraph
(E) as subparagraph (D);

(B) in paragraph (3), by striking “or (D)”;

and

(2) in subsection (d)—

(A) in paragraph (1)—

(i) in subparagraph (B), by inserting
“and” after the semicolon;

(ii) in subparagraph (C), by striking
“; and” and inserting a period; and

(iii) by striking subparagraph (D);

and

(B) by adding at the end the following new
paragraph (4):
“(4) Any other funds made available to the Department of Defense to carry out any of the purposes described in subsection (e).”.

(b) Authority to Purchase Used Vessels.—

Subsection (f) of such section is amended by adding at the end the following new paragraph:

“(3)(A) Notwithstanding the limitations under subsection (c)(1)(E) and paragraph (1), the Secretary of Defense may, as part of a program to recapitalize the Ready Reserve Force component of the national defense reserve fleet and the Military Sealift Command surge fleet, purchase any used vessel, regardless of where such vessel was constructed if such vessel—

“(i) participated in the Maritime Security Fleet; and

“(ii) is available for purchase at a reasonable cost, as determined by the Secretary.

“(B) If the Secretary determines that no used vessel meeting the requirements under clauses (i) and (ii) of subparagraph (A) is available, the Secretary may purchase a used vessel comparable to a vessel described in clause (i) of subparagraph (A), regardless of the source of the vessel or where the vessel was constructed, if such vessel is available for purchase at a reasonable cost, as determined by the Secretary.
“(C) The Secretary may not use the authority under this paragraph to purchase more than two foreign constructed ships.

“(D) The Secretary shall ensure that the initial conversion, or modernization of any vessel purchased under the authority of subparagraph (A) occurs in a shipyard located in the United States.

“(E) Not later than 30 days after the purchase of any vessel using the authority under this paragraph, the Secretary, in consultation with the Maritime Administrator, shall submit to the congressional defense committees a report that contains each of the following with respect to such purchase:

“(i) The date of the purchase.

“(ii) The price at which the vessel was purchased.

“(iii) The anticipated cost of modernization of the vessel.

“(iv) The proposed military utility of the vessel.

“(v) The proposed date on which the vessel will be available for use by the Ready Reserve.

“(vi) The contracting office responsible for the completion of the purchase.

“(vii) Certification that—
“(I) there was no vessel available for purchase at a reasonable price that was constructed in the United States; and

“(II) the used vessel purchased supports the recapitalization of the Ready Reserve Force component of the National Defense Reserve Fleet or the Military Sealift Command surge fleet.”.

(e) **DEFINITION OF MARITIME SECURITY FLEET.**—

Subsection (k) of such section is amended by adding at the end the following new paragraph:

“(5) The term ‘Maritime Security Fleet’ means the fleet established under section 53102(a) of title 46.”.

(d) **BUDGETING FOR CONSTRUCTION OF NAVAL VESSELS.**—Section 231 of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) by striking “year—” and inserting “year each of the following:”; 

(B) in paragraph (1)—

(i) by striking “a plan” and inserting “A plan”;
(ii) by striking “combatant and support vessels for the Navy” and inserting “naval vessels”; 

(iii) by striking the semicolon and inserting “for each of the following classes of ships.”; and 

(iv) by adding at the end the following new subparagraphs: 

“(A) Combatant and support vessels. 

“(B) Auxiliary vessels.”; and 

(C) in paragraph (2), by striking “a certification” and inserting “A certification”; 

(2) in subsection (b)(2)—

(A) by redesignating subparagraphs (B) through (D) as subparagraphs (C) through (E), respectively; 

(B) by inserting after subparagraph (A) the following new subparagraph (B): 

“(B) A detailed program for the construction of auxiliary vessels for the Navy over the next 30 fiscal years.”; and 

(C) in subparagraph (E), as redesignated by subparagraph (A), by striking “subparagraph (C)” and inserting “subparagraph (D)”; and
(3) in subsection (f), by adding at the end the following new paragraph:

“(5) The term ‘auxiliary vessel’ means any ship designed to operate in the open ocean in a variety of sea states to provide general support to either combatant forces or shore based establishments.”.

SEC. 1022. USE OF NATIONAL SEA-BASED DETERRENCE FUND FOR MULTYEAR PROCUREMENT OF CERTAIN CRITICAL COMPONENTS.

(a) IN GENERAL.—Subsection (i) of section 2218a of title 10, United States Code, is amended—

(1) by striking “the common missile compartment” each place it appears and inserting “critical components”; and

(2) in paragraph (1), by striking “critical parts, components, systems, and subsystems” and inserting “critical components”.

(b) DEFINITION OF CRITICAL COMPONENT.—Subsection (k) of such section is amended by adding at the end the following new paragraph:

“(3) The term ‘critical component’ means any of the following:

“(A) A common missile compartment component.

“(B) A spherical air flask.
“(C) An air induction diesel exhaust valve.
“(D) An auxiliary seawater valve.
“(E) A hovering valve.
“(F) A missile compensation valve.
“(G) A main seawater valve.
“(H) A launch tube.
“(I) A trash disposal unit.
“(J) A logistics escape trunk.
“(K) A torpedo tube.
“(L) A weapons shipping cradle weldment.
“(M) A control surface.
“(N) A launcher component.
“(O) A propulsor.”.

(e) CLERICAL AMENDMENT.—The subsection heading for subsection (i) of such section is amended by striking “OF THE COMMON MISSILE COMPARTMENT”.

SEC. 1023. OPERATIONAL READINESS OF LITTORAL COMBAT SHIPS ON EXTENDED DEPLOYMENT.

Section 7310(a) of title 10, United States Code, is amended—

(1) by inserting “UNDER JURISDICTION OF THE SECRETARY OF THE NAVY” in the subsection heading after “VESSELS”;
(2) by striking “A naval vessel (or any other vessel under the jurisdiction of the Secretary of the Navy)” and inserting “(1) A naval vessel”; and (3) by adding at the end the following new paragraph:

“(2)(A) Notwithstanding paragraph (1) and subject to subparagraph (B), in the case of a naval vessel classified as a Littoral Combat Ship and operating on deployment, corrective and preventive maintenance or repair (whether intermediate or depot level) and facilities maintenance may be performed on the vessel—

“(i) in a foreign shipyard;

“(ii) at a facility outside of a foreign shipyard;

or

“(iii) at any other facility convenient to the vessel.

“(B)(i) Corrective and preventive maintenance or repair may be performed on a vessel as described in subparagraph (A) if the work is performed by United States Government personnel or United States contractor personnel.

“(ii) Facilities maintenance may be performed by a foreign contractor on a vessel as described in subparagraph (A) only as approved by the Secretary of the Navy.

“(C) In this paragraph:
“(i) The term ‘corrective and preventive maintenance or repair’ means—

“(I) maintenance or repair actions performed as a result of a failure in order to return or restore equipment to acceptable performance levels; and

“(II) scheduled maintenance or repair actions to prevent or discover functional failures.

“(ii) The term ‘facilities maintenance’ means preservation or corrosion control efforts and cleaning services.

“(D) This paragraph shall expire on September 30, 2020.”.

SEC. 1024. AVAILABILITY OF FUNDS FOR RETIREMENT OR INACTIVATION OF TICONDEROGA-CLASS CRUISERS OR DOCK LANDING SHIPS.

None of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2018 may be obligated or expended—

(1) to retire, prepare to retire, or inactivate a cruiser or dock landing ship; or

(2) to place more than six cruisers and one dock landing ship in the modernization program under section 1026(a)(2) of the Carl Levin and

SEC. 1025. POLICY OF THE UNITED STATES ON MINIMUM NUMBER OF BATTLE FORCE SHIPS.

(a) POLICY.—It shall be the policy of the United States to have available, as soon as practicable, not fewer than 355 battle force ships, comprised of the optimal mix of platforms, with funding subject to the availability of appropriations or other funds.

(b) BATTLE FORCE SHIPS DEFINED.—In this section, the term “battle force ship” has the meaning given the term in Secretary of the Navy Instruction 5030.8C.

SEC. 1026. SURVEYING SHIPS.

(a) SURVEYING SHIP REQUIREMENT.—Not later than 120 days after the date of the enactment of this Act, the Chief of Naval Operations shall submit to the congressional defense committees a report setting forth a force structure assessment that establishes a surveying ship requirement. The Chief of Naval Operations shall conduct the assessment for purposes of the report, and may limit the assessment to surveying ships.

(b) DEFINITIONS.—In this section:
The term “surveying ship” has the meaning given the term in Secretary of the Navy Instruction 5030.8C.

The term “force structure assessment” has the meaning given the term in Chief of Naval Operations Instruction 3050.27.

Subtitle D—Counterterrorism

SEC. 1031. MODIFICATION OF AUTHORITY ON SUPPORT OF SPECIAL OPERATIONS TO COMBAT TERRORISM.

(a) OVERSIGHT OF SUPPORT.—Section 127e of title 10, United States Code, is amended—

(1) by redesignating subsection (g) as subsection (h); and

(2) by inserting after subsection (f) the following new subsection (g):

“(g) OVERSIGHT BY ASD FOR SOLIC.—The Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict shall have primary responsibility within the Office of the Secretary of Defense for oversight of policies and programs for support authorized by this section.”.

(b) REPORT SUBMITTAL MATTERS.—Subsection (h) of such section, as redesignated by subsection (a)(1) of this section, is amended—
(1) in paragraph (1), by striking “March 1 each year” and inserting “120 days after the last day of each fiscal year”; and

(2) in paragraph (2)—

(A) by striking “September 1 each year” and inserting “six months after the date of the submittal of the report most recently submitted under paragraph (1)”; and

(B) by inserting “under this paragraph” after “in which the report”.

SEC. 1032. TERMINATION OF REQUIREMENT TO SUBMIT ANNUAL BUDGET JUSTIFICATION DISPLAY FOR DEPARTMENT OF DEFENSE COMBATING TERRORISM PROGRAM.

Section 229 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(e) Termination.—The requirement to submit a budget justification display under this section shall terminate on December 31, 2020.”.
SEC. 1033. PROHIBITION ON USE OF FUNDS FOR TRANSFER OR RELEASE OF INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA TO THE UNITED STATES.

No amounts authorized to be appropriated or otherwise made available for the Department of Defense may be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2018, to transfer, release, or assist in the transfer or release to or within the United States, its territories, or possessions of Khalid Sheikh Mohammed or any other detainee who—

(1) is not a United States citizen or a member of the Armed Forces of the United States; and

(2) is or was held on or after January 20, 2009, at United States Naval Station, Guantanamo Bay, Cuba, by the Department of Defense.

SEC. 1034. PROHIBITION ON USE OF FUNDS TO CONSTRUCT OR MODIFY FACILITIES IN THE UNITED STATES TO HOUSE DETAINERS TRANSFERRED FROM UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA.

(a) IN GENERAL.—No amounts authorized to be appropriated or otherwise made available for the Department of Defense may be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2018, to construct or modify any facility
in the United States, its territories, or possessions to house any individual detained at Guantanamo for the purposes of detention or imprisonment in the custody or under the control of the Department of Defense.

(b) EXCEPTION.—The prohibition in subsection (a) shall not apply to any modification of facilities at United States Naval Station, Guantanamo Bay, Cuba.

(c) INDIVIDUAL DETAINED AT GUANTANAMO DEFINED.—In this section, the term “individual detained at Guantanamo” has the meaning given that term in section 1034(f)(2) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 971; 10 U.S.C. 801 note).

SEC. 1035. PROHIBITION ON USE OF FUNDS FOR TRANSFER OR RELEASE OF INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO CERTAIN COUNTRIES.

No amounts authorized to be appropriated or otherwise made available for the Department of Defense may be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2018, to transfer, release, or assist in the transfer or release of any individual detained in the custody or under the control of the Department of Defense at United States Naval Station, Guantanamo Bay, Cuba, to the custody or control
of any country, or any entity within such country, as fol-
1   lows:
2         (1) Libya.
3         (2) Somalia.
4         (3) Syria.
5         (4) Yemen.
6
7 **SEC. 1036. PROHIBITION ON USE OF FUNDS TO CLOSE OR**
8        **RELINQUISH CONTROL OF UNITED STATES**
9        **NAVAL STATION, GUANTANAMO BAY, CUBA.**
10
11 None of the funds authorized to be appropriated or
12 otherwise made available for the Department of Defense
13 for fiscal year 2018 may be used—
14 (1) to close or abandon United States Naval
15   Station, Guantanamo Bay, Cuba;
16 (2) to relinquish control of Guantanamo Bay to
17   the Republic of Cuba; or
18 (3) to implement a material modification to the
19   Treaty Between the United States of America and
20   Cuba signed at Washington, D.C. on May 29, 1934,
21   that constructively closes United States Naval Sta-
22   tion, Guantanamo Bay.
SEC. 1037. SENSE OF CONGRESS REGARDING PROVIDING FOR TIMELY VICTIM AND FAMILY TESTIMONY IN MILITARY COMMISSION TRIALS.

It is the sense of Congress that in the interests of justice, efficiency, and providing closure to victims of terrorism and their families, military judges overseeing military commissions in United States Naval Station, Guantanamo Bay, Cuba, should consider making arrangements to take recorded testimony from victims and their families should they wish to provide testimony before such a commission.

SEC. 1038. REPORT ON PUBLIC AVAILABILITY OF MILITARY COMMISSIONS PROCEEDINGS.

(a) GAO STUDY.—The Comptroller General of the United States shall conduct a study on the feasibility and advisability of expanding the public availability of military commissions proceedings that are made open to the public.

(b) REPORT TO CONGRESS.—

(1) INTERIM REPORT.—Not later than April 1, 2018, the Comptroller General shall submit to the Committees on Armed Services of the Senate and of the House of Representatives a report containing the interim findings of the Comptroller General pursuant to the study required by subsection (a).

(2) FINAL REPORT.—Not later than one year after the date of the enactment of this Act, the
Comptroller General shall submit to the Committees on Armed Services of the Senate and of the House of Representatives a final report on the findings and recommendations of the Comptroller General pursuant to such study.

(3) Form of reports.—The reports required by this subsection shall be submitted in unclassified form, but may contain a classified annex.

Subtitle E—Miscellaneous Authorities and Limitations

SEC. 1041. LIMITATION ON EXPENDITURE OF FUNDS FOR EMERGENCY AND EXTRAORDINARY EXPENSES FOR INTELLIGENCE AND COUNTER-INTELLIGENCE ACTIVITIES.

(a) Limitation.—Subsection (c) of section 127 of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(4)(A) Notwithstanding paragraph (1), funds may not be obligated or expended in an amount in excess of $100,000 under the authority of subsection (a) or (b) for intelligence or counter-intelligence activities until the Secretary of Defense has notified the congressional defense committees and the congressional intelligence committees of the intent to obligate or expend the funds and 15 days have elapsed since the date of the notification.
“(B) The Secretary of Defense may waive subpara-
graph (A) if the Secretary determines that such a waiver
is necessary due to extraordinary circumstances that af-
fect the national security of the United States. If the Sec-
retary issues a waiver under this subparagraph, the Sec-
retary shall submit to the congressional defense and con-
gressional intelligence committees, by not later than 48
hours after issuing the waiver, written notice of and jus-
tification for the waiver.”.

(b) ANNUAL REPORT.—Subsection (d) of such sec-
tion is amended—

(1) by striking “Not later” and inserting “(1)
Not later”;

(2) by striking “to the congressional defense
committees” and all that follows through the period
at the end and inserting an em dash; and

(3) by adding at the end the following:

“(A) to the congressional defense committees a
report on all expenditures during the preceding fiscal
year under subsections (a) and (b); and

“(B) to the congressional intelligence commit-
tees a report on expenditures relating to intelligence
and counter-intelligence during the preceding fiscal
year under subsections (a) and (b).
“(2) Each report required to be submitted under paragraph (1) shall include a detailed explanation, by category of activity and approving authority (the Secretary of Defense, the Inspector General of the Department of Defense, and the Secretary of a military department), of the expenditures during the preceding fiscal year.”

(e) DEFINITION.—Such section is further amended by adding at the end the following new subsection:

“(e) DEFINITION OF CONGRESSIONAL INTELLIGENCE COMMITTEES.—In this section, the term ‘congressional intelligence committees’ means the Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.”

(d) REPORT ON INTELLIGENCE AND COUNTER-INTELLIGENCE FUNDING AUTHORITIES.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense and intelligence committees a report describing current and, if necessary, any required, funding authorities to sustain recurring expenses for intelligence and counter-intelligence activities in lieu of section 127 of title 10, United States Code. Such report shall include a description of the potential benefits and negative consequences of the codification of a distinct authority for such purposes.
SEC. 1042. MATTERS RELATING TO THE SUBMITTAL OF FUTURE-YEARS DEFENSE PROGRAMS.

(a) Timing of Submittal to Congress.—Subsection (a) of section 221 of title 10, United States Code, is amended by striking “at or about the time that” and inserting “not later than five days after the date on which”.

(b) Manner and Form of Submittal.—Such section is further amended by adding at the end the following new subsection:

“(d)(1) The Secretary of Defense shall make available to Congress, the Congressional Budget Office, the Comptroller General of the United States, and the Congressional Research Service each future-years defense program under this section as follows:

“(A) By making such program available electronically in the form of an unclassified electronic database.

“(B) By delivering printed copies of such program to the congressional defense committees.

“(2) In the event inclusion of classified material in a future-years defense program would otherwise render the totality of the program classified for purposes of this subsection—
“(A) such program shall be made available to Congress in unclassified form, with such material attached as a classified annex; and

“(B) such annex shall be submitted to the congressional defense committees, the Congressional Budget Office, the Comptroller General of the United States, and the Congressional Research Service.”.

(e) ACCURACY OF INFORMATION.—Such section is further amended by adding at the end the following new subsection:

“(e) Each future-years defense program under this subsection shall be accompanied by a certification by the Under Secretary of Defense (Comptroller), in the case of the Department of Defense, and the comptroller of each military department, in the case of such military department, that any information entered into the Standard Data Collection System of the Department of Defense, the Comptroller Information System, or any other data system, as applicable, for purposes of assembling such future-years defense program was accurate.”.

(d) EFFECTIVE DATE.—The amendments made by this section shall take effect on the date of the enactment of this Act, and shall apply to future-years defense pro-
grams submitted at the time of budgets of the President for fiscal years beginning after fiscal year 2018.

(e) DoD GUIDANCE.—The Secretary of Defense shall, in coordination with the Under Secretary of Defense (Comptroller), update Department of Defense Financial Management Regulation 7000.14–R, and any other appropriate instructions and guidance, to ensure that the Department of Defense takes appropriate actions to comply with the amendments made by this section in the submittal of future-years defense programs in calendar years after calendar year 2017.

SEC. 1043. MODIFICATIONS TO HUMANITARIAN DEMINING ASSISTANCE AUTHORITIES.

(a) Modification to the Role of Armed Forces in Providing Humanitarian Demining Assistance.—Subsection (a)(3) of section 407 of title 10, United States Code, is amended—

(1) in the matter preceding subparagraph (A), by striking “or stockpiled conventional munitions assistance”; and

(2) in subparagraph (A)—

(A) by inserting “, unexploded explosive ordnance,” after “landmines”; and

(B) by striking “, or stockpiled conventional munitions, as applicable”.
(b) Modification to Definition of Humanitarian Demining Assistance.—Subsection (e)(1) of such section is amended—

(1) by inserting “, unexploded explosive ordnance,” after “landmines” in each place it appears; and

(2) by striking “, and the disposal” and all that follows and inserting a period.

(c) Modification to Definition of Stockpiled Conventional Munitions Assistance.—Subsection (e)(2) of such section is amended, in the second sentence, by striking “, the detection and clearance of landmines and other explosive remnants of war,”.

SEC. 1044. Prohibition on Charge of Certain Tariffs on Aircraft Traveling Through Channel Routes.

(a) In General.—Chapter 157 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 2652. Prohibition on charge of certain tariffs on aircraft traveling through channel routes

“The United States Transportation Command may not charge a tariff by reason of the use by a military service of an aircraft of that military service on a route des-
designated by the United States Transportation Command as a channel route.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“2652. Prohibition on charge of certain tariffs on aircraft traveling through channel routes.”.

SEC. 1045. PROHIBITION ON LOBBYING ACTIVITIES WITH RESPECT TO THE DEPARTMENT OF DEFENSE BY CERTAIN OFFICERS OF THE ARMED FORCES AND CIVILIAN EMPLOYEES OF THE DEPARTMENT FOLLOWING SEPARATION FROM MILITARY SERVICE OR EMPLOYMENT WITH THE DEPARTMENT.

(a) TWO-YEAR PROHIBITION.—

(1) PROHIBITION.—An individual described in paragraph (2) may not engage in lobbying activities with respect to the Department of Defense during the two-year period beginning on the date of retirement or separation from service in the Armed Forces or the date of retirement or separation from service with the Department, as applicable.

(2) COVERED INDIVIDUALS.—An individual described in this paragraph is the following:
(A) An officer of the Armed Forces in grade O–9 or higher at the time of retirement or separation from the Armed Forces.

(B) A civilian employee of the Department of Defense who had a civilian grade equivalent to a military grade specified in subparagraph (A) at the time of the employee’s retirement or separation from service with the Department.

(b) ONE-YEAR PROHIBITION.—

(1) Prohibition.—An individual described in paragraph (2) may not engage in lobbying activities with respect to the Department of Defense during the one-year period beginning on the date of retirement or separation from service in the Armed Forces or the date of retirement or separation from service with the Department, as applicable.

(2) Covered individuals.—An individual described in this paragraph is the following:

(A) An officer of the Armed Forces in grade O–7 or O–8 at the time of retirement or separation from the Armed Forces.

(B) A civilian employee of the Department of Defense who had a civilian grade equivalent to a military grade specified in subparagraph
(A) at the time of the employee’s retirement or separation from service with the Department.

(c) DEFINITIONS.—In this section:

(1) The term “lobbying activities with respect to the Department of Defense” means the following:

(A) Lobbying contacts and other lobbying activities with covered executive branch officials with respect to the Department of Defense.

(B) Lobbying contacts with covered executive branch officials described in subparagraphs (C) through (F) of section 3(3) of the Lobbying Disclosure Act of 1995 (2 U.S.C. 1602(3)) in the Department of Defense.

(2) The terms “lobbying activities” and “lobbying contacts” have the meaning given such terms in section 3 of the Lobbying Disclosure Act of 1995 (2 U.S.C. 1602).

(3) The term “covered executive branch official” has the meaning given that term in section 3(3) of the Lobbying Disclosure Act of 1995 (2 U.S.C. 1602(3)).
SEC. 1046. PROHIBITION ON USE OF FUNDS FOR RETIREMENT OF LEGACY MARITIME MINE COUNTERMEASURES PLATFORMS.

(a) Prohibition.—Except as provided in subsection (b), the Secretary of the Navy may not obligate or expend funds to—

(1) retire, prepare to retire, transfer, or place in storage any AVENGER-class mine countermeasures ship or associated equipment;

(2) retire, prepare to retire, transfer, or place in storage any SEA DRAGON (MH–53) helicopter or associated equipment;

(3) make any reductions to manning levels with respect to any AVENGER-class mine countermeasures ship; or

(4) make any reductions to manning levels with respect to any SEA DRAGON helicopter squadron or detachment.

(b) Waiver.—The Secretary of the Navy may waive the prohibition under subsection (a)—

(1) with respect to an AVENGER-class ship or a SEA DRAGON helicopter, if the Secretary certifies to the congressional defense committees that the Secretary has—

(A) identified a replacement capability and the necessary quantity of such systems to meet
all combatant commander mine countermeasures operational requirements that are currently being met by the ship or helicopter to be retired, transferred, or placed in storage;

(B) achieved initial operational capability of all systems described in subparagraph (A); and

(C) deployed a sufficient quantity of systems described in subparagraph (A) that have achieved initial operational capability to continue to meet or exceed all combatant commander mine countermeasures operational requirements currently being met by the ship or helicopter to be retired, transferred, or placed in storage; or

(2) with respect to a SEA DRAGON helicopter, if the Secretary certifies to such committees that the Secretary has determined, on a case-by-case basis, that such a helicopter is non-operational because of a mishap or other damage or because it is uneconomical to repair.
SEC. 1047. REPORT ON WESTERN PACIFIC OCEAN SHIP DEPOT MAINTENANCE CAPABILITY AND CAPACITY.

(a) LIMITATION OF USE OF FUNDS.—Not more than 75 percent of the amount authorized to be appropriated by this Act for Secretary of the Navy for emergency and extraordinary expenses may be obligated or expended before the date on which the report required by subsection (b) is submitted to the congressional defense committees.

(b) REPORT REQUIRED.—

(1) IN GENERAL.—The Secretary of the Navy shall submit to the congressional defense committees a report on the ship depot maintenance capability and capacity required for Navy ships operating in the western Pacific Ocean. The report shall include each of the following:

(A) An analysis of the requirements relating to Navy ship depot maintenance during peacetime and in response to the most likely, stressing, and dangerous contingency scenarios.

(B) A description of the extent to which the existing Navy ship depot capacity can meet the requirements described in subparagraph (A).
(C) A description of any specific shortfalls in such capability or capacity with respect to meeting such requirements.

(D) An analysis of options to address any shortfalls described in subparagraph (C).

(2) Form of report.—The report required under this subsection shall be submitted in unclassified form, but may contain a classified annex.

(e) Certification required.—Not later than 90 days after the submittal of the report required by subsection (b), the Secretary of Defense shall submit to the congressional defense committees a certification—

(1) that the current ship depot maintenance capability and capacity, including drydocks, in the western Pacific Ocean are sufficient to meet peacetime and contingency requirements; or

(2) certification that such capability and capacity are not sufficient and a description of the options being pursued to address areas of insufficiency.

(d) Business case analysis required.—

(1) In general.—Not later than September 30, 2018, the Secretary of the Navy shall submit to the congressional defense committees a business case analysis of the options described in paragraph (2)
that includes the analysis described in paragraph (3).

(2) OPTIONS TO BE INCLUDED.—The business case analysis required by paragraph (1) shall cover options that could increase the Navy depot-level ship repair capacity and capabilities in the western Pacific Ocean, including the following four courses of action:

(A) Enhancing current maintenance capability and capacity by repairing Lima Wharf, United States Naval Base, Guam.

(B) Adding drydock capability and capacity with associated facilities for conventionally-powered ships.

(C) Adding drydock capability and capacity with associated facilities for nuclear-powered submarines.

(D) Maintaining the status quo with respect to the ship repair capabilities and capacity in the western Pacific Ocean.

(3) ANALYSIS OF OPTIONS.—For each course of action listed in paragraph (2), the Secretary shall include an analysis of the following:

(A) Any additional maintenance actions that would be possible with respect to the
course of action and estimated use during peacetime and during the most likely, stressing and dangerous contingency operations.

(B) Any additional infrastructure, including facilities and equipment, that would be necessary to carry out the course of action.

(C) The military, civilian, and contractor personnel requirements to reach full operational capability with respect to the course of action, including personnel to be assigned on both a temporary and permanent basis.

(D) A description of how the course of action would improve materiel readiness and operational availability of ships operating in the Pacific.

(E) The estimated cost and schedule to implement the course of action, including detailed estimates for major cost elements.

(F) In the case of a course of action described in subparagraph (B) or (C) of paragraph (2), an evaluation of acquisition strategies (including procurement, leasing, public-private partnerships, and enhanced use leases) and an identification of the desired ship tonnage each drydock would be able to accommodate.
SEC. 1048. ANNUAL TRAINING REGARDING THE INFLUENCE CAMPAIGN OF THE RUSSIAN FEDERATION.

In addition to any currently mandated training, the Secretary of Defense may furnish annual training to all members of the Armed Forces and all civilian employees of the Department of Defense, regarding attempts by the Russian Federation and its proxies and agents to influence and recruit members of the Armed Forces as part of its influence campaign.

SEC. 1049. WORKFORCE ISSUES FOR MILITARY REALIGNMENTS IN THE PACIFIC.

(a) In General.—Section 6(b) of the Joint Resolution entitled “A Joint Resolution to approve the ‘Covenant To Establish a Commonwealth of the Northern Mariana Islands in Political Union With the United States of America’, and for other purposes”, approved March 24, 1976 (48 U.S.C. 1806(b)) is amended to read as follows:

“(b) Numerical Limitations for Nonimmigrant Workers.—

“(1) In General.—

“(A) Nonimmigrant workers generally.—An alien, if otherwise qualified, may seek admission to Guam or to the Commonwealth during the transition program as a non-immigrant worker under section 101(a)(15)(H) of the Immigration and Nationality Act (8 USC
1101(a)(15)(H)) without counting against the numerical limitations set forth in section 214(g) of such Act (8 USC 1184(g)).

“(B) H-2B WORKERS.—In the case of such an alien who seeks admission under section 101(a)(15)(H)(ii)(b) of such Act, such alien, if otherwise qualified, may, before October 1, 2023, be admitted under such section for a period of up to 3 years to perform service or labor on Guam or the Commonwealth pursuant to any agreement entered into by a prime contractor or subcontractor calling for services or labor required for performance of a contact or subcontract for construction, repairs, renovations, or facility services that is directly connected to, or associated with, the military realignment occurring on Guam and the Commonwealth, notwithstanding the requirement of such section that the service or labor be temporary.

“(2) LIMITATIONS.—

“(A) NUMERICAL LIMITATION.—For any fiscal year, not more 4,000 aliens may be admitted to Guam and the Commonwealth pursuant to paragraph (1)(B).
“(B) LOCATION.—Paragraph (1)(B) does not apply with respect to the performance of services or labor at a location other than Guam or the Commonwealth.”.

(b) CERTIFICATION REQUIRED.—Upon conclusion of all required agreements between the Secretary of Defense and the heads of relevant Federal agencies, the Commonwealth of the Northern Mariana Islands (including the Commonwealth Port Authority), and local agencies to support the required construction and operation of the divert activities and exercises program of the Air Force in the Commonwealth of the Northern Mariana Islands and the Commonwealth of the Northern Mariana Islands joint military training program of the Marine Corps, the Secretary shall submit to the congressional defense committees certification of such conclusion and a report describing such agreements.

(c) EFFECTIVE DATES.—The amendment made by subsection (a) shall take effect on the date of the enactment of this Act and shall apply as follows:

(1) In the case of services or labor to be performed on Guam, such amendment shall apply beginning on the date that is 120 days after the date of the enactment of this Act.
(2) In the case of services or labor to be performed on the Common Wealth of the Northern Mariana Islands, such amendment shall apply beginning on the later of—

(A) the date that is 120 days after the date of the submittal of the certification and report required under subsection (b); or

(B) the date on which the transition program ends under section 6(a)(2) of the Joint Resolution entitled “A Joint Resolution to approve the ‘Covenant To Establish a Common-wealth of the Northern Mariana Islands in Political Union With the United States of America’, and for other purposes”, approved March 24, 1976 (48 U.S.C. 1806(a)(2)).

Subtitle F—Studies and Reports


(a) TITLE 10, UNITED STATES CODE.—Title 10, United States Code, is amended as follows:

(1) SECTION 113 REPORTS.—
(A) Reserve forces policy board report.—Section 113(c) is amended—

(i) by striking paragraph (2);

(ii) by striking “(1)” after “(c)”; and

(iii) by redesignating subparagraphs (A), (B), and (C) as paragraphs (1), (2), and (3), respectively.

(B) Total force management report.—Section 113 is amended by striking subsection (l).

(2) Diversity in military leadership report.—Section 115a(g) is amended by striking “during fiscal years 2013 through 2017”.

(3) Defense industrial security report.—Section 428 is amended by striking subsection (f).

(4) Military musical units gift report.—Section 974(d) is amended by striking paragraph (3).

(5) Health protection quality report.—Section 1073b is amended—

(A) by striking subsection (a); and

(B) by redesignating subsections (b) and (c) as subsections (a) and (b), respectively.
(6) MASTER PLANS FOR REDUCTIONS IN CIVIL-
IAN POSITIONS.—

(A) IN GENERAL.—Section 1597 is amend-
ed—

(i) by striking subsection (c);

(ii) by striking subsections (d), (e),
and (f) as subsections (c), (d), and (e), re-
spectively; and

(iii) in subsection (c), as redesignated,
by striking “or a master plan prepared
under subsection (e)’’.

(B) CONFORMING AMENDMENTS.—Section
129a(d) is amended—

(i) by striking paragraphs (1) and (2);

and

(ii) by redesignating paragraphs (3)
and (4) as paragraphs (1) and (2), respec-
tively.

(7) ACQUISITION WORKFORCE DEVELOPMENT
FUND REPORT.—Section 1705 is amended—

(A) in subsection (e)(1), by striking “sub-
section (h)(2)” and inserting “subsection
(g)(2)”;

(B) by striking subsection (f); and
(C) by redesignating subsections (g) and (h) as subsections (f) and (g), respectively.

(8) Acquisition corps report.—Section 1722b is amended by striking subsection (c).

(9) Military family readiness report.—Section 1781b is amended by striking subsection (d).

(10) Professional military education report.—

(A) Elimination.—Section 2157 is repealed.

(B) Clerical amendment.—The table of sections at the beginning of chapter 107 is amended by striking the item relating to section 2157.

(11) Department ofDefense conferences fee-collection report.—Section 2262 is amended by striking subsection (d).

(12) United States contributions to NATO common-funded budgets report.—Section 2263 is amended—

(A) by striking subsection (b); and

(B) by redesignating subsection (c) as subsection (b).

(13) Foreign counter-space programs report.—
(A) **Elimination.**—Section 2277 is repealed.

(B) **Clerical Amendment.**—The table of sections at the beginning of chapter 135 is amended by striking the item relating to section 2277.

(14) **Use of Multiyear Contracts Report.**—Section 2306b(l)(4) is amended by striking “Not later than” and all that follows through the colon and inserting the following: “Each report required by paragraph (5) with respect to a contract (or contract extension) shall contain the following:”.

(15) **Burden Sharing Contributions Report.**—Section 2350j is amended by striking subsection (f).

(16) **Contract Prohibition Waiver Report.**—Section 2410i(e) is amended by striking the second sentence.

(17) **Strategic Sourcing Plan of Action Report.**—Subsection (a) of section 2475 is amended to read as follows:

“(a) **Strategic Sourcing Plan of Action Defined.**—In this section, the term ‘Strategic Sourcing Plan of Action’ means a Strategic Sourcing Plan of Action for the Department of Defense (as identified in the De-
partment of Defense Interim Guidance dated February 29, 2000, or any successor Department of Defense guidance or directive) in effect for a fiscal year.”.

(18) TECHNOLOGY AND INDUSTRIAL BASE POLICY GUIDANCE REPORT.—Section 2506 is amended—

(A) by striking subsection (b); and

(B) in subsection (a), by striking “Such guidance” and inserting the following:

“(b) PURPOSE OF GUIDANCE.—The guidance prescribed pursuant to subsection (a)”.

(19) FOREIGN-CONTROLLED CONTRACTORS REPORT.—Section 2537 is amended—

(A) by striking subsection (b); and

(B) by redesignating subsection (c) as subsection (b).

(20) SUPPORT FOR SPORTING EVENTS REPORT.—Section 2564 is amended—

(A) in subsection (b)(3), by striking “section 377” and inserting “section 277”;

(B) by striking subsection (e);

(C) by redesignating subsections (f) and (g) as subsections (e) and (f), respectively; and
(D) in subsection (e), as so redesignated, by “striking sections 375 and 376” and inserting “sections 275 and 276”.

(21) **General and Flag Officer Quarters Report.**—Section 2831 is amended—

(A) by striking subsection (e);

(B) by redesignating subsection (f) as subsection (e); and

(C) in subsection (e), as so redesignated—

(i) by striking “(1) Except as provided in paragraphs (2) and (3), the Secretary” and inserting “The Secretary”;

(ii) by striking paragraphs (2) and (3); and

(iii) by redesignating subparagraphs (A) and (B) as paragraphs (1) and (2), respectively.

(22) **Military Installations Vulnerability Assessment Reports.**—Section 2859 is amended—

(A) by striking subsection (e); and

(B) by redesignating subsection (d) as subsection (e).

(23) **Industrial Facility Investment Program Construction Report.**—Section 2861 is amended by striking subsection (d).
(24) Statement of amounts available for water conservation at military installations.—Section 2866(b) is amended by striking paragraph (3).

(25) Acquisition or construction of military unaccompanied housing pilot projects report.—Section 2881a is amended by striking subsection (e).

(26) Statement of amounts available from energy cost savings.—Section 2912 is amended by striking subsection (d).

(27) Army training report.—

(A) Elimination.—Section 4316 is repealed.

(B) Clerical amendment.—The table of sections at the beginning of chapter 401 is amended by striking the item relating to section 4316.

(28) State of the Army reserve report.—Section 3038(f) is amended—

(A) by striking “(1)” before “The”; and

(B) by striking paragraph (2).

(29) State of the Marine corps reserve report.—Section 5144(d) is amended—

(A) by striking “(1)” before “The”; and
(B) by striking paragraph (2).

(30) STATE OF THE AIR FORCE RESERVE REPORT.—Section 8038(f) is amended—

(A) by striking “(1)” before “The”; and

(B) by striking paragraph (2).

(b) DEPARTMENT OF DEFENSE AUTHORIZATION ACT, 1985.—Section 1003 of the Department of Defense Authorization Act, 1985 (Public Law 98–525; 22 U.S.C. 1928 note), relating to an annual report on allied contributions to the common defense, is amended by striking subsections (c) and (d).

(c) NATIONAL DEFENSE AUTHORIZATION ACT, FISCAL YEAR 1989.—Section 1009 of the National Defense Authorization Act, Fiscal Year 1989 (Public Law 100–456; 22 U.S.C. 1928 note), relating to an annual report on the official development assistance program of Japan, is amended by striking subsection (b).

(d) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 1991.—Section 1518 of the Defense Authorization Act for Fiscal Year 1991 (Public Law 101–510; 24 U.S.C. 418), relating to reports on the results of inspection of Armed Forces Retirement Homes, is amended—

(1) in subsection (c)(1), by striking “Congress and”; and
(2) in subsection (e)—

(A) by striking paragraph (2);

(B) by striking “(1)” before “Not later”;

and

(C) by redesignating subparagraphs (A) and (B) as paragraphs (1) and (2), respectively.


(g) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 1995.—Section 533 of the National Defense Authorization Act for Fiscal Year 1995 (Public Law 103–337; 10 U.S.C. 113 note), relating to an annual report on personnel readiness factors by race and gender, is repealed.


1. Army Workload and Performance System Report.—Section 346 (115 Stat. 1062) is amended—
   (A) by striking subsections (b) and (c); and
   (B) by redesignating subsection (d) as subsection (b).

2. Reliability of Financial Statements Report.—Section 1008(d) (10 U.S.C. 113 note) is amended—
   (A) by striking “(1)” before “On each”; and
   (B) by striking paragraph (2).

(j) National Defense Authorization Act for Fiscal Year 2003.—Section 817 of the Bob Stump Na-
tional Defense Authorization Act for Fiscal Year 2003
(Public Law 107–314; 10 U.S.C. 2306a note), relating to
an annual report on commercial item and exceptional case
exceptions and waivers, is amended—
(1) by striking subsection (d); and
(2) by redesignating subsection (e) as sub-
section (d).

(k) NATIONAL DEFENSE AUTHORIZATION ACT FOR
(Public Law 109–163) is amended as follows:

(1) Notification of adjustment in limitation amount for next-generation destroyer
program.—Section 123 (119 Stat. 3156) is amend-
ed—
(A) by striking subsection (d); and
(B) by redesignating subsection (e) as sub-
section (d).

(2) Certification of budgets for joint
tactical radio system report.—Section 218(c)
(119 Stat. 3171) is amended by striking paragraph
(3).

(3) Department of defense costs to
carry out United Nations resolutions re-
port.—Section 1224 (10 U.S.C. 113 note) is re-
pealed.

(m) National Defense Authorization Act for Fiscal Year 2008.—The National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181) is amended as follows:

(1) Army Industrial Facilities Cooperative Activities Report.—Section 328 (10 U.S.C. 4544 note) is amended by striking subsection (b).

(2) Army Product Improvement Report.—Section 330 (122 Stat. 68) is amended by striking subsection (e).


(1) Support for Non-Conventional Assisted Recovery Activities Report.—Section 943 (122 Stat. 4578) is amended—
(A) by striking subsection (e); and
(B) by redesignating subsections (f), (g),
and (h) as subsections (e), (f), and (g), respec-
tively.

(2) Reimbursement of Navy Mess Expenses
Report.—Section 1014 (122 Stat. 4585) is amend-
ed by striking subsection (e).

(3) Electromagnetic Pulse Attack Re-
port.—Section 1048 (122 Stat. 4603) is repealed.

(o) National Defense Authorization Act for
Fiscal Year 2010.—Section 121 of the National Defense
Authorization Act for Fiscal Year 2010 (Public Law 111–
84; 123 Stat. 2211) is amended—

(1) by striking subsection (e); and

(2) by redesignating subsection (f) as sub-
section (e).

(p) National Defense Authorization Act for
Fiscal Year 2011.—The Ike Skelton National Defense
Authorization Act for Fiscal Year 2011 (Public Law 111–
383) is amended as follows:

(1) Navy Airborne Signals Intelligence,
Surveillance, and Reconnaissance Capabili-
ties Report.—Section 112(b) (124 Stat. 4153) is
amended—

(A) by striking paragraph (3); and
(B) by redesignating paragraph (4) as paragraph (3).

(2) INCLUSION OF TECHNOLOGY PROTECTION FEATURES DURING RESEARCH AND DEVELOPMENT OF DEFENSE SYSTEMS REPORT.—Section 243 (10 U.S.C. 2358 note) is amended—

(A) by striking subsection (c); and

(B) by redesignating subsections (d) and (e) as subsections (c) and (d), respectively.

(3) ACQUISITION OF MILITARY PURPOSE NON-DEVELOPMENTAL ITEMS REPORT.—Section 866(d) (10 U.S.C. 2302 note) is amended—

(A) by striking “(d) REPORTS.—” and all that follows through “(2) PROGRAM ASSESSMENT.—If the Secretary” and inserting the following:

“(d) PROGRAM ASSESSMENT.—If the Secretary”;

and

(B) by redesignating subparagraphs (A), (B), and (C) as paragraphs (1), (2), and (3), respectively, and indenting the left margin of such paragraphs, as so redesignated, two ems from the left margin.

(4) NUCLEAR TRIAD REPORT.—Section 1054 (10 U.S.C. 113 note) is repealed.
(q) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2012.—The National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81) is amended as follows:

(1) PERFORMANCE MANAGEMENT SYSTEM AND APPOINTMENT PROCEDURES REPORT.—Section 1102 (5 U.S.C. 9902 note) is amended by striking subsection (b).

(2) GLOBAL SECURITY CONTINGENCY FUND REPORT.—Section 1207 (22 U.S.C. 2151 note) is amended—

(A) by striking subsection (n); and

(B) by redesignating subsections (o) and (p) as subsections (n) and (o).

(3) DATA SERVERS AND CENTERS COST SAVINGS REPORT.—Section 2867 (10 U.S.C. 2223a note) is amended by striking subsection (d).

(r) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2013.—The National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239) is amended as follows:

(1) F–22A RAPTOR MODERNIZATION PROGRAM REPORT.—Section 144 (126 Stat. 1663) is amended by striking subsection (c).
(2) TRICARE MAIL-ORDER PHARMACY PROGRAM REPORT.—Section 716 (10 U.S.C. 1074g note) is amended—
   (A) by striking subsection (e); and
   (B) by redesignating subsections (f) and (g) as subsections (e) and (f).
(3) WARRIORS IN TRANSITION PROGRAMS REPORT.—Section 738 (10 U.S.C. 1071 note) is amended—
   (A) by striking subsection (e); and
   (B) by redesignating subsection (f) as subsection (e).
(4) USE OF INDEMNIFICATION AGREEMENTS REPORT.—Section 865 (126 Stat. 1861) is repealed.
(5) COUNTER SPACE TECHNOLOGY REPORT.—Section 917 (126 Stat. 1878) is repealed.
(6) IMAGERY INTELLIGENCE AND GEOSPATIAL INFORMATION SUPPORT REPORT.—Section 921 (126 Stat. 1878) is amended by striking subsection (e).
(7) COMPUTER NETWORK OPERATIONS COORDINATION REPORT.—Section 1079 (10 U.S.C. 221 note) is amended by striking subsection (e).
(8) UPDATES OF ACTIVITIES OF OFFICE OF SECURITY COOPERATION IN IRAQ REPORT.—Section 1211(d) (126 Stat. 1983) is amended—
(A) by striking paragraph (3); and

(B) by redesignating paragraph (4) as paragraph (3).

(9) **UNITED STATES PARTICIPATION IN THE ATARES PROGRAM REPORT.**—Section 1276 (10 U.S.C. 2350c note) is amended—

(A) by striking subsections (e) and (f); and

(B) by redesignating subsection (g) as subsection (e).

(10) **NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2014.**—The National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66) is amended as follows:

(1) **MODERNIZING PERSONNEL SECURITY STRATEGY METRICS REPORT.**—Section 907(c)(3) (10 U.S.C. 1564 note) is amended—

(A) by striking ``(A) METRICS REQUIRED.—In'' and inserting ``In''; and

(B) by striking subparagraph (B).

(2) **DEFENSE CLANDESTINE SERVICE REPORT.**—Section 923 (10 U.S.C. prec. 421 note) is amended—

(A) by striking subsection (b); and
(B) by redesignating subsections (c), (d), and (e) as subsection (b), (c), and (d), respectively.

(3) INTERNATIONAL AGREEMENTS RELATING TO DOD REPORT.—Section 1249 (127 Stat. 925) is repealed.

(4) SMALL BUSINESS GROWTH REPORT.—Section 1611 (127 Stat. 946) is amended by striking subsection (d).

(t) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2015.—The Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) is amended as follows:

(1) ASSIGNMENT OF PRIVATE SECTOR PERSONNEL TO DEFENSE ADVANCED RESEARCH PROJECTS AGENCY REPORT.—Section 232 (10 U.S.C. 2358 note) is amended—

(A) by striking subsection (e); and

(B) by redesignating subsections (f) and (g) as subsections (e) and (f), respectively.

(2) GOVERNMENT LODGING PROGRAM REPORT.—Section 914 (5 U.S.C. 5911 note) is amended by striking subsection (d).
(3) DOD RESPONSE TO COMPROMISES OF CLASSIFIED INFORMATION REPORT.—Section 1052 (128 Stat. 3497) is repealed.

(4) PERSONNEL PROTECTION AND PERSONNEL SURVIVABILITY EQUIPMENT LOAN REPORT.—Section 1207 (10 U.S.C. 2342 note) is amended—

(A) by striking subsection (d); and

(B) by redesignating subsections (e) and (f) as subsections (d) and (e), respectively.

(5) DOD ASSISTANCE TO COUNTER ISIS REPORT.—Section 1236 (128 Stat. 3558) is amended by striking subsection (d).

(6) COOPERATIVE THREAT REDUCTION PROGRAM USE OF CONTRIBUTIONS REPORT.—Section 1325 (50 U.S.C. 3715) is amended—

(A) by striking subsection (e); and

(B) by redesignating subsections (f) and (g) as subsections (e) and (f), respectively.

(7) COOPERATIVE THREAT REDUCTION PROGRAM FACILITIES CERTIFICATION REPORT.—Section 1341 (50 U.S.C. 3741) is repealed.

(8) COOPERATIVE THREAT REDUCTION PROGRAM PROJECT CATEGORY REPORT.—Section 1342 (50 U.S.C. 3742) is repealed.
(9) **STATEMENT ON ALLOCATION OF FUNDS FOR SPACE SECURITY AND DEFENSE PROGRAM.**—

Section 1607 (128 Stat. 3625) is amended—

(A) by striking “(a) **ALLOCATION OF FUNDS.**”—;

(B) by striking subsections (b), (c), and (d); and

(C) by adding at the end the following new sentence: “This requirement shall terminate on December 19, 2019.”.

(u) **PRESERVATION OF CERTAIN ADDITIONAL REPORTS.**—Effective as of December 23, 2016, and as if included therein as enacted, section 1061(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended as follows:

(1) **NATIONAL GUARD BUREAU REPORT.**—By inserting after paragraph (63) the following new paragraph:

“(64) Section 10504(b).”.

(2) **REPORT ON PROCUREMENT OF CONTRACT SERVICES.**—By inserting after paragraph (64), as added by paragraph (1), the following new paragraph:

“(65) Section 235.”.
(3) ANNUAL DEFENSE MANPOWER REQUIREMENTS REPORT.—By inserting after paragraph (65), as added by paragraph (2), the following new paragraph:

“(66) Section 115a.”.

(4) STARBASE PROGRAM REPORT.—By inserting after paragraph (66), as added by paragraph (3), the following new paragraph:

“(67) Section 2193b(g).”.

(v) PRESERVATION OF VETTED SYRIAN OPPOSITION REPORT.—Effective as of December 23, 2016, and as if included therein as enacted, section 1061(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended by adding at the end the following new paragraph:

“(18) Section 1209(d) (128 Stat. 3542).”.

(w) PRESERVATION OF REPORTS REQUIRED BY OTHER LAWS.—Effective as of December 23, 2016, and as if included therein as enacted, section 1061(i) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended as follows:

(1) NATIONAL GUARD YOUTH CHALLENGE REPORT.—By adding at the end the following new paragraph:
“(34) Section 509(k) of title 32, United States Code.”.

(2) ANNUAL REPORT ON SUPPORT TO LAW ENFORCEMENT AGENCIES CONDUCTING COUNTER-TERRORISM ACTIVITIES.—By inserting after paragraph (34), as added by paragraph (1), the following new paragraph:


(x) TERMINATION OF CERTAIN ADDITIONAL REPORTS.—Effective on December 31, 2021, the reports required under the following provisions of title 10, United States Code, shall no longer be required to be submitted to Congress:

(1) Section 113(c)(1).
(2) Section 113(e).
(3) Section 116.
(4) Section 2432.

(y) REPORT TO CONGRESS.—Not later than February 1, 2018, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives a report that includes the following:
(1) A list of all reports required to be submitted to Congress by the Department of Defense, or any officer, official, component, or element of the Department, from any source of law other than an annual national defense authorization Act as of April 1, 2015.

(2) For each report included on the list under paragraph (1), a citation to the provision of law under which the report is required to be submitted.

(z) EFFECTIVE DATE.—Except as provided in subsections (u), (v), and (w) the amendments made by this section shall take effect on the later of—

(1) the date of the enactment of this Act; or

(2) November 25, 2017.

SEC. 1052. REPORT ON TRANSFER OF DEFENSE ARTICLES TO UNITS COMMITTING GROSS VIOLATIONS OF HUMAN RIGHTS.

(a) REPORT REQUIRED.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Secretary of State, shall submit to the appropriate committees of Congress a report on the transfer of defense articles to units committing gross violations of human rights.

(b) MATTERS TO BE INCLUDED.—The report required by subsection (a) shall include the following:
(1) A description of the current laws, guidance, and policies, if any, for Department of Defense personnel to monitor and report the transfer of defense articles, provided to the government of a foreign state pursuant to a Department of Defense assistance authority, that have subsequently been provided by that government to a unit of that foreign state that is prohibited from receiving assistance from the United States by reason of a determination by the Secretary of State that there is credible evidence that such unit has committed a gross violation of human rights.

(2) A description of any confirmed instances since January 1, 2016, in which the government of a foreign state that has received defense articles pursuant to a Department of Defense assistance authority has subsequently transferred the equipment to a unit of that foreign state that is prohibited from receiving assistance from the United States by reason of a determination by the Secretary of State that there is credible evidence that such unit has committed a gross violation of human rights.

(e) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—
(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representa-
tives.

SEC. 1053. REPORT ON THE NATIONAL BIODEFENSE ANAL-YSIS AND COUNTERMEASURES CENTER.

(a) REPORT.—Not later than March 1, 2018, the Secretary of Homeland Security and the Secretary of De-
fense shall submit to the appropriate congressional com-
mittees a report, prepared in consultation with the officials listed in subsection (b), on the National Biodefense Analy-
ysis and Countermeasures Center (referred to in this sec-
tion as the “NBACC”). Such report shall contain the fol-
lowing information:

(1) The functions of the NBACC.

(2) The end users of the NBACC, including those whose assets may be managed by other agen-
cies.

(3) The cost and mission impact for each user identified under paragraph (2) of any potential clo-
sure of the NBACC, including an analysis of the functions of the NBACC that cannot be replicated by other departments and agencies of the Federal Government.
(4) In the case of closure of the NBACC, a transition plan for any essential functions currently performed by the NBACC to ensure mission continuity, including the storage of samples needed for ongoing criminal cases.

(b) CONSULTATION.—The officials listed in this subsection are the following:

(1) The Secretary of Homeland Security.

(2) The Director of the Federal Bureau of Investigation.

(3) The Attorney General.

(4) The Director of National Intelligence.

(5) As determined by the Secretary of Homeland Security, the leaders of other offices that use the NBACC.

(c) FORM.—The report submitted under subsection (a) shall be submitted in unclassified form, but may contain a classified annex.

(d) LIMITATION.—None of the funds authorized to be appropriated in this Act may be used to support the closure or transfer of the NBACC until—

(1) the report required by subsection (a) has been submitted; and

(2) the heads of the Federal agencies that use the NBACC jointly provide to the appropriate con-
gressional committees certification that the closure
or transfer of the NBACC would not have a negative
effect on biological defense capabilities.

(e) APPROPRIATE CONGRESSIONAL COMMITTEES DE-
FINED.—For purposes of this section, the term “ap-
propriate congressional committees” means the Committees
on Appropriations of the Senate and the House of Rep-
resentatives, the Committees on Armed Services of the
Senate and the House of Representatives, the Committee
on Homeland Security of the House of Representatives,
the Committee on Homeland Security and Governmental
Affairs of the Senate, the Committees on Judiciary of the
Senate and the House of Representatives, the Committee
on Oversight and Government Reform of the House of
Representatives, the Permanent Select Committee on In-
telligence of the House of Representatives, and the Select
Committee on Intelligence of the Senate.

SEC. 1054. REPORT ON DEPARTMENT OF DEFENSE ARCTIC
CAPABILITY AND RESOURCE GAPS AND RE-
QUIRED INFRASTRUCTURE.

(a) Report Required.—Not later than 90 days
after the date of the enactment of this Act, the Secretary
of Defense shall submit to the congressional defense com-
mittees a report setting forth—
necessary steps the Department of Defense is undertaking to resolve Arctic security capability and resource gaps; and

(2) the requirements and investment plans for military infrastructure required to protect United States national security interests in the Arctic region.

(b) ELEMENTS.—The report under subsection (a) shall include an analysis of each of the following:

(1) The infrastructure needed to ensure national security in the Arctic region.

(2) Any shortfalls in observation, remote sensing capabilities, ice prediction, and weather forecasting, including an analysis of—

(A) the readiness challenges posed by a changing Arctic region; and

(B) changes to the Arctic region that affect existing military infrastructure.

(3) Any shortfalls of the Department in navigational aids.

(4) Any additional, necessary high-latitude electronic and communications infrastructure requirements.

(5) Any gaps in intelligence, surveillance, and reconnaissance coverage and recommendations for
additional intelligence, surveillance, and reconnaissance capabilities.

(6) Any shortfalls in personnel recovery capabilities.

(7) United States national security interests in the Arctic region, including strategic national assets, United States citizens, territory, freedom of navigation, and economic and trade interests in the region.

(8) United States military capabilities needed for operations in Arctic terrain, including types of forces, major weapon systems, and logistics required for operations in such terrain.

(9) The installations, infrastructure, and deep water ports for deployment of assets required to support operations in the Arctic region, including the stationing, deployment, and training of military forces for operations in the region.

(10) Any additional capabilities the Secretary determines should be incorporated into future Navy surface combatants.

(c) FORM OF REPORT.—The report under subsection (a) shall be submitted in unclassified form, but may include a classified annex.
SEC. 1055. REVIEW AND ASSESSMENT OF DEPARTMENT OF DEFENSE PERSONNEL RECOVERY AND NON-CONVENTIONAL ASSISTED RECOVERY MECHANISMS.

(a) IN GENERAL.—Not later than March 1, 2018, the Secretary of Defense shall submit to the congressional defense committees a review and assessment of personnel recovery and nonconventional assisted recovery programs, authorities, and policies.

(b) ELEMENTS.—The assessment required under subsection (a) shall include each of the following elements:

(1) An overall strategy defining personnel recovery and nonconventional assisted recovery programs and activities, including how such programs and activities support the requirements of the geographic combatant commanders.

(2) A comprehensive review and assessment of statutory authorities, policies, and interagency coordination mechanisms, including limitations and shortfalls, for personnel recovery and nonconventional assisted recovery programs and activities.

(3) A comprehensive description of current validated requirements and anticipated future personnel recovery and nonconventional assisted recovery requirements across the future years defense program, as validated by the Joint Staff.
(4) An overview of validated current and expected future force structure requirements necessary to meet near-, mid-, and long-term personnel recovery and nonconventional assisted recovery programs and activities of the geographic combatant commanders.

(5) Any other matters the Secretary considers appropriate.

(e) Form of Assessment.—The assessment required under subsection (a) shall be submitted in unclassified form, but may include a classified annex.

(d) Comptroller General Review.—Not later than 90 days after the date on which the assessment required under subsection (a) is submitted, the Comptroller General of the United States shall submit to the congressional defense committees a review of such assessment.

SEC. 1056. MINE WARFARE READINESS INSPECTION PLAN AND REPORT.

(a) Inspection Plan.—Not later than one year after the date of the enactment of this subsection, the Chief of Naval Operations, in consultation with the Combatant Commanders, shall submit a plan for inspections of each unit and organization tasked with delivering operational capability, missions and mission essential tasks, functions, supporting roles, organization, manning, train-
ing, and materiel for naval mine warfare. At a minimum, inspected units and organizations shall include those required in the Joint Strategic Capabilities Plan and those assigned in the Forces For Unified Commands document or have the potential to support, by deployment or otherwise, a directed Operation Plan, Concept Plan, contingency operation, homeland security operation, or Defense Support of Civil Authorities requirements for naval offensive or defensive mine warfare.

(b) CRITERIA.—This inspection plan shall propose methods to analytically assess, evaluate, improve and assure mission readiness of each unit or organization with required operational capabilities for naval mine warfare. Inspection shall include—

(1) an assessment or verification of material condition;

(2) unit wide training and personnel readiness as measured by established tasks, conditions and standards that demonstrate the unit readiness to perform their wartime or homeland defense mission;

(3) force through unit level training;

(4) readiness to support multi-echelon, joint service mine warfare operations as part of an offensive, defensive mining or mine countermeasures task;
(5) readiness to support combatant commander campaign plans, operational plan, concept plan, or the Joint Strategic Capabilities Plan;
(6) required operational capability;
(7) inspection and reinspection process; and
(8) inspection periodicity.

e) APPLICABILITY.—The inspection requirements under this subsection apply to the following units and organizations:

(1) Surface MCM vessels or vessels performing MCM tasks.
(2) Airborne MCM squadrons.
(3) Mobile mine assembly groups and mobile mine assembly units.
(4) Fleet patrol squadrons with mine laying capabilities.
(5) LCS and LCS MCM mission modules upon reaching IOC.
(6) Mine countermeasures squadrons.
(7) Units exercising command and control over MIW forces.
(8) MCM operational support ships.
(9) Attack and guided missile submarines with mine laying capabilities.
(10) Magnetic and acoustic silencing facilities.
(11) EOD MCM or VSW Companies and Platoons.

(12) SEAL (ESG / CSG) USMC units with VSW capability.

(d) CERTIFICATION.—The Chief of Naval Operations shall submit to the Secretary of Defense, the Combatant Commanders, the Chairman of the Joint Chiefs of Staff and to Congress a report on the program under this subsection. The report shall contain a classified section which addresses capability and capacity to meet JSCP, OPLAN, CONPLAN and contingency requirements and unclassified section with general summary and readiness trends.

(e) CONFORMING REPEAL.—Section 1090 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) is repealed.

SEC. 1057. ANNUAL REPORT ON CIVILIAN CASUALTIES IN CONNECTION WITH UNITED STATES MILITARY OPERATIONS.

(a) ANNUAL REPORT REQUIRED.—Not later than May 1 each year, the Secretary of Defense shall submit to the congressional defense committees a report on civilian casualties caused as a result of United States military operations during the preceding year.

(b) ELEMENTS.—Each report under subsection (a) shall set forth the following:
(1) A list of all the United States military operations during the year covered by such report that were confirmed, or reasonably suspected, to have resulted in civilian casualties.

(2) For each military operation listed pursuant to paragraph (1), each of the following:

(A) The date.

(B) The location.

(C) An identification of whether the operation occurred inside or outside of a declared theater of active armed conflict.

(D) The type of operation.

(E) An assessment of the number of civilian and enemy combatant casualties.

(3) A description of the process by which the Department of Defense investigates allegations of civilian casualties resulting from United States military operations.

(4) A description of steps taken by the Department to mitigate harm to civilians in conducting such operations.

(5) Any other matters the Secretary of Defense determines are relevant.

(c) USE OF SOURCES.—In preparing a report under this section, the Secretary of Defense shall take into ac-
count relevant and credible all-source reporting, including information from public reports and nongovernmental sources.

(d) Form.—Each report under subsection (a) shall be submitted in unclassified form, but may include a classified annex.

(e) Sunset.—The requirement to submit a report under subsection (a) shall expire on the date that is five years after the date of the enactment of this Act.

SEC. 1058. REPORT ON JOINT PACIFIC ALASKA RANGE COMPLEX MODERNIZATION.

(a) Report Required.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees a report regarding proposed improvements to the Joint Pacific Alaska Range Complex.

(b) Elements.—The report under subsection (a) shall include the following:

(1) An analysis of existing Joint Pacific Alaska Range Complex infrastructure.

(2) A summary of improvements to the range infrastructure the Secretary determines are necessary—

(A) for fifth generation fighters to train at maximum potential; and
(B) to provide a realistic air warfare environment versus a near-peer adversary for—

(i) four squadrons of fifth generation fighters;

(ii) annual Red Flag-Alaska exercises;

and

(iii) biannual Operation Northern Edge exercises.

SEC. 1059. REPORT ON ALTERNATIVES TO AQUEOUS FILM FORMING FOAM.

(a) Report Required.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the Department’s status with respect to developing a new military specification for safe and effective alternatives to aqueous film forming foam (hereinafter referred to as “AFFF”) that do not contain perfluorooctanoic acid (hereinafter referred to as “PFOA”) or perfluorooctanesulfonic acid (hereinafter referred to as “PFOS”).

(b) Elements.—The report required by subparagraph (1) shall include the following:

(1) A detailed explanation of the Department’s status with respect to developing a new military
specification for safe and effective alternatives to
AFFF that do not contain PFOA or PFOS.

(2) An update on the Secretary’s plans for re-
placing AFFF containing PFOA or PFOS at mili-
tary installations across the country and methods of
disposal for AFFF containing PFOA or PFOS.

(3) An overview of current and planned re-
search and development for AFFF alternatives that
do not contain PFOA or PFOS.

(4) An assessment of how the establishment of
a maximum contaminant level for PFOA or PFOS
under the Safe Drinking Water Act (42 U.S.C. 300f
et seq.), rather than the current health advisory
level, would impact the Department’s mitigation ac-
tions, prioritization of such actions, and research
and development related to PFOA and PFOS.

**SEC. 1060. ASSESSMENT OF GLOBAL FORCE POSTURE.**

(a) **ASSESSMENT REQUIRED.**—The Secretary of De-
defense shall, in consultation with the Chairman of the Joint
Chiefs of Staff, the chiefs of the military services, and the
commanders of the combatant commands, provide for and
oversee an assessment of the global force posture of the
Armed Forces.

(b) **REPORT.**—Not later than the earlier of 180 days
after the production of the 2018 National Defense Strat-
egy (which is intended to be closely coordinated with and
complementary to a new National Security Strategy) or
December 31, 2018, the Secretary shall submit to the
Committees on Armed Services of the Senate and the
House of Representatives a report on the assessment re-
quired by subsection (a). The report shall include the fol-
lowing:

(1) Recommendations for force size, structure,
and basing globally that reflect and complement the
force sizing and planning construct included in the
2018 National Defense Strategy in order to guide
the growth of the force structure of the Armed
Forces, which recommendations shall be based on an
evaluation of the relative costs of rotational and for-
ward-based forces as well as impacts to deployment
timelines of threats to lines of communication and
anti-access area denial capabilities of potential ad-
versaries.

(2) An assessment by each commander of a
combatant command of the capability and force
structure gaps within the context of an evaluation of
the projected threats in the theater of operations of
the combatant command concerned and the oper-
ation plans of each combatant command.
An evaluation of the headquarters manning requirements to oversee and direct execution of current operational plans.

SEC. 1061. ARMY MODERNIZATION STRATEGY.

(a) STRATEGY REQUIRED.—The Secretary of the Army shall develop a modernization strategy for the total Army.

(b) ELEMENTS.—The strategy required by subsection (a) shall include the following:

(1) A comprehensive description of the future total Army, including key objectives, war fighting challenges, and risks, sufficient to establish requirements, set priorities, identify opportunity costs, and establish acquisition time lines for the total Army over a period beyond the period of the current future-years defense program under section 221 of title 10, United States Code.

(2) Mechanisms for identifying programs of the Army that may be unnecessary, or do not perform according to expectations, in achieving the future total Army.

(3) A comprehensive description of the manner in which the future total Army intends to fight and win as part of a joint force engaged in combat across all operational domains.
(4) A comprehensive description of the mechanisms required by the future total Army to maintain command, control, and communications and sustainment.

(5) A description of—

(A) the combat vehicle modernization priorities of the Army over the next 5 and 10 years;

(B) the extent to which such priorities can be supported at current funding levels within a relevant time period;

(C) the extent to which additional funds are required to support such priorities;

(D) how the Army is balancing and resourcing such priorities with efforts to rebuild and sustain readiness and increase force structure capacity over this same time period; and

(E) how the Army is balancing its near-term modernization efforts with an accelerated long-term strategy for acquiring next generation combat vehicle capabilities.

(c) PARTICULAR CONSIDERATIONS.—In developing the strategy required by subsection (a), the Secretary shall take into particular account the following:
(1) Current trends and developments in weapons and equipment technologies.

(2) New tactics and force design of peer adversaries, including the rapid pace of development of such tactics and force design by such adversaries.

(d) Report.—

(1) In general.—Not later than April 30, 2018, the Secretary shall submit to the congressional defense committees the strategy required by subsection (a).

(2) Form.—If the report is submitted in classified form, the report shall be accompanied by an unclassified summary.

(e) Comptroller General Assessment.—

(1) Assessment.—The Comptroller General of the United States shall conduct an assessment of the modernization strategy required by subsection (a).

(2) Focus.—In carrying out the assessment under paragraph (1), the Comptroller General shall focus on evaluating—

(A) the development of the modernization priorities of the Army for the five-year period beginning on the date of the enactment of this Act;
(B) how the Army is balancing and resourcing such priorities with efforts to rebuild and sustain readiness and increase force structure capacity over such period; and

(C) the extent to which the Army has balanced its near-term modernization efforts with its long-term strategy for acquiring new capabilities.

(3) CONGRESSIONAL REPORTING.—

(A) BRIEFING.—Not later than May 1, 2018, the Comptroller General shall provide to the congressional defense committees a briefing on the preliminary assessment of the Comptroller General under paragraph (1).

(B) REPORT.—The Comptroller General shall submit to the congressional defense committees a report on the final assessment of the Comptroller General under such paragraph.

(f) TOTAL ARMY DEFINED.—In this section, the term “total Army” means the active components and the reserve components of the Army.
SEC. 1062. REPORT ON ARMY PLAN TO IMPROVE OPERATIONAL UNIT READINESS BY REDUCING NUMBER OF NON-DEPLOYABLE SOLDIERS ASSIGNED TO OPERATIONAL UNITS.

Not later than 90 days after the date of the enactment of this Act, the Secretary of the Army shall submit to the congressional defense committees a report on the plans of the Army to improve operational unit readiness in the Army by reducing the number of non-deployable soldiers assigned to operational units of the Army and replacing such soldiers with soldiers capable of world-wide deployment.

SEC. 1063. EFFORTS TO COMBAT PHYSIOLOGICAL EPISODES ON CERTAIN NAVY AIRCRAFT.

(a) IN GENERAL.—Not later than 30 days after the date of the enactment of this Act, and every 90 days thereafter until January 1, 2020, the Secretary of the Navy shall provide to the congressional defense committees information on efforts by the Navy’s Physiological Episode Team to combat the prevalence of physiological episodes in F/A–18 Hornet and Super Hornet, EA–18G Growler, and T–45 Goshawk aircraft.

(b) ELEMENTS.—The information required under subsection (a) shall include the following elements:
(1) A description of Naval Aviation Enterprise activities addressing physiological episodes during the reporting period.

(2) An estimate of funding expended in support of the activities described under paragraph (1).

(3) A description of any planned or executed changes to Physiological Episode Team structure or processes.

(4) A description of activities planned for the upcoming two quarters.

(c) FORM.—The information required under subsection (a) may be provided in a written report or a briefing.

SEC. 1064. STUDIES ON AIRCRAFT INVENTORIES FOR THE AIR FORCE.

(a) INDEPENDENT STUDIES.—

(1) IN GENERAL.—The Secretary of Defense shall provide for the performance of three independent studies of alternative aircraft inventories through 2030, and an associated force-sizing construct, for the Air Force.

(2) SUBMITTAL TO CONGRESS.—Not later than March 1, 2019, the Secretary shall submit the results of each study to the congressional defense committees.
(3) FORM.—The result of each study shall be submitted in unclassified form, but may include a classified annex.

(b) ENTITIES TO PERFORM STUDIES.—The Secretary shall provide for the studies under subsection (a) to be performed as follows:

(1) One study shall be performed by the Secretary of the Air Force, in consultation with the Director of the Office of Net Assessment.

(2) One study shall be performed by a federally funded research and development center.

(3) One study shall be conducted by an independent, nongovernmental institute which is described in section 501(c)(3) of the Internal Revenue Code of 1986 and exempt from taxation under section 501(a) of such Code, and has recognized credentials and expertise in national security and military affairs.

(c) PERFORMANCE OF STUDIES.—

(1) INDEPENDENT PERFORMANCE.—The Secretary shall require the studies under this section to be conducted independently of one another.

(2) MATTERS TO BE CONSIDERED.—In performing a study under this section, the organization performing the study, while being aware of current
and projected aircraft inventories for the Air Force, shall not be limited by such current or projected aircraft inventories, and shall consider the following matters:

(A) The national security and national defense strategies of the United States.

(B) Potential future threats to the United States and to United States air and space forces through 2030.

(C) Traditional roles and missions of the Air Force.

(D) Alternative roles and missions for the Air Force.

(E) The force-sizing methodology and rationale used to calculated aircraft inventory levels.

(F) Other government and nongovernment analyses that would contribute to the study through variations in study assumptions or potential scenarios.

(G) The role of evolving technology on future air forces, including unmanned and space systems.

(H) Opportunities for reduced operation and sustainment costs.
(I) Current and projected capabilities of other Armed Forces that could affect force structure capability and capacity requirements of the Air Force.

(d) Study Results.—The results of each study under this section shall—

(1) identify a force-sizing construct for the Air Force that connects national security strategy to aircraft inventories;

(2) present the alternative aircraft inventories considered, with assumptions and possible scenarios identified for each;

(3) provide for presentation of minority views of study participants; and

(4) for the recommended inventories, provide—

(A) the numbers and types of aircraft, the numbers and types of manned and unmanned aircraft, and the basic capabilities of each of such platforms;

(B) describe the force-sizing rationale used to arrive at the recommended inventory levels;

(C) other information needed to understand the aircraft inventories in basic form and the supporting analysis; and
(D) options to address aircraft types whose retirement commences before 2030.

SEC. 1065. DEPARTMENT OF DEFENSE REVIEW OF NAVY CAPABILITIES IN THE ARCTIC REGION.

(a) Report on Capabilities.—

(1) In general.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a report on the capabilities of the Navy in the Arctic region.

(2) Elements.—The report required by paragraph (1) shall include an analysis of the following:

(A) The current naval capabilities of the Department of Defense in the Arctic region, with a particular emphasis on surface capabilities.

(B) Any gaps that exist between the current naval capabilities described in subparagraph (A) and the ability of the Department to fully execute its updated strategy for the Arctic region.

(C) Any gaps in the capabilities described in subparagraph (A) that require ice-hardening of existing vessels or the construction of new
vessels to preserve freedom of navigation in the
Arctic region whenever and wherever necessary.

(D) An analysis and recommendation of
which Navy vessels could be ice-hardened to ef-
fectively preserve freedom of navigation in the
Arctic region when and where necessary, in all
seasons and weather conditions.

(E) An analysis of any cost increases or
schedule adjustments that may result from ice-
hardening existing or new Navy vessels.

(b) Comptroller General of the United
States Review.—Not later than 90 days after the date
on which the Secretary submits the report required by
subsection (a), the Comptroller General of the United
States shall submit to the congressional defense commit-
tees a review of the report, including any matters in con-
nection with the report and the review that the Com-
troller General considers appropriate.

c) Form.—The report under subsection (a) and the
review under subsection (b) shall each be submitted in un-
classified form, but may include a classified annex.
SEC. 1066. COMPREHENSIVE REVIEW OF MARITIME INTELLIGENCE, SURVEILLANCE, RECONNAISSANCE, AND TARGETING CAPABILITIES.

(a) REPORT REQUIRED.—Not later than May 1, 2018, the Secretary of the Navy shall submit to the congressional defense committees a report on maritime intelligence, surveillance, reconnaissance, and targeting capabilities.

(b) COMPREHENSIVE REVIEW.—The report required in subsection (a) shall include a comprehensive review of the following elements for the 2025 and 2035 timeframes:

(1) A description of the projected steady-state demands for maritime intelligence, surveillance, reconnaissance, and targeting capabilities and capacity in each timeframe, including protracted gray-zone or low-intensity confrontations between the United States or its allies and potential adversaries such as Russia, China, North Korea, and Iran.

(2) A description of potential warfighting planning scenarios in which maritime intelligence, surveillance, reconnaissance, and targeting capabilities will be required in each prescribed timeframe, including the most demanding such scenario.

(3) A description of the undersea, surface, and air threats for each scenario described in paragraph (2) that will require maritime intelligence, surveil-
lance, reconnaissance, and targeting to be conducted in order to achieve warfighting objectives.

(4) An assessment of the sufficiency of maritime intelligence, surveillance, reconnaissance, and targeting program capability and capacity to achieve the warfighting objectives described in paragraph (3) in the most demanding scenario described in paragraph (2), including the effects of attrition.

(5) Planned operational concepts, including a High level operational concept graphic (OV–1) for each such concept, for conducting maritime intelligence, surveillance, reconnaissance, and targeting capabilities during steady state operations and warfighting scenarios described in paragraph (2), including consideration of distributed combat operations in a satellite denied environment.

(6) Specific capability or capacity gaps and risk areas in the ability or sufficiency of maritime intelligence, surveillance, reconnaissance, and targeting capabilities.

(7) Potential mitigation or solutions to address the capability and capacity gaps and risk areas identified in paragraph (6), including new capabilities, increased capacity, or new operating concepts that could be employed by the Navy.
(8) A description of the funding amount by fiscal year, initial operational capability, and full operational capability for each maritime intelligence, surveillance, reconnaissance, and targeting program identified in paragraph (4), based on the President’s fiscal year 2019 future years defense program, including unfunded and partially funded programs.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may contain a classified annex.

SEC. 1067. REPORT ON THE NEED FOR A JOINT CHEMICAL-BIOLOGICAL DEFENSE LOGISTICS CENTER.

Not later than March 1, 2018, the Secretary of Defense shall submit to the congressional defense committees a report that includes the following:

(1) A description of the operational need and requirement for a consolidated Joint Chemical-Biological Defense Logistics Center.

(2) Identification of the specific operational requirements for rapid deployment of chemical and biological defense assets and the sustainment requirements for maintenance, storage, inspection, and distribution of specialized chemical, biological, radiological, and nuclear equipment at the Joint Chemical-Biological Defense Logistics Center.
(3) A definition of program objectives and milestones to achieve initial operating capability and full operating capability.

(4) Estimated facility and personnel resource requirements for use in planning, programming, and budgeting.

(5) An environmental assessment of proposed effects in accordance with the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.).

SEC. 1068. MISSILE TECHNOLOGY CONTROL REGIME CATEGORY I UNMANNED AERIAL VEHICLE SYSTEMS.

(a) REPORT REQUIRED.—Not later than 120 days after the date of enactment of this Act, the Secretary of Defense and the Secretary of State shall jointly submit to the appropriate committees of Congress a report providing an evaluation of the impact to national security of current United States policy regarding proliferation of complete unmanned aerial vehicle systems under Category I of the Missile Technology Control Regime (MTCR).

(b) ELEMENTS.—The report required under subsection (a) shall include the following elements:

(1) An analysis of Category I unmanned aerial vehicles (UAVs) in production globally and the coun-
tries that export such systems, including the volume
and location.

(2) An evaluation of the impact of the MTCR
presumption of denial relating to Category I UAVs
on identified United States security interests, includ-
ing the presumption’s nonproliferation benefits and
the extent to which the presumption may foster the
growth of foreign UAV providers, reducing United
States Government influence and the qualitative
United States technological edge.

(3) An evaluation of the potential risks and
benefits to security posed by exports of UAVs,
whether or not covered by Category I criteria, to
identify characteristics that pose particular concerns,
such as speed, radar cross-section, swarming capa-
bility, surveillance payload, low observable features,
armor, and anti-aircraft countermeasures.

(4) A discussion of how the evaluation above
should inform United States Government and allied
and partner licensing guidance with respect to the
MTCR presumption of denial and its potential im-
parts, United States Government proposals for revi-
sions to the MTCR Guidelines, and differences
among UAVs (Category I, as well as Category II
UAVs that pose particular concerns).
(5) Any other matters the Secretaries consider appropriate.

(c) FORM.—The report required under subsection (a) shall be submitted in unclassified form but may include a classified annex.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services, the Committee on Foreign Relations, and the Committee on Appropriations of the Senate; and

(2) the Committee on Armed Services, the Committee on Foreign Affairs, and the Committee on Appropriations of the House of Representatives.

SEC. 1069. RECOMMENDATIONS FOR INTERAGENCY VETTING OF FOREIGN INVESTMENTS AFFECTING NATIONAL SECURITY.

(a) PLAN AND RECOMMENDATIONS REQUIRED.—The Secretary of Defense, in concurrence with the Secretary of State, the Secretary of Treasury, and the Director of National Intelligence, shall assess and develop a plan and recommendations for agencies of the United States Government, other than the Department of Defense, to improve the effectiveness of the interagency vetting of for-
eign investments that could potentially impair the national security of the United States.

(b) OBJECTIVES.—The recommendations required by subsection (a) shall have the following objectives:

(1) To increase collaboration and coordination among agencies of the United States Government in the identification and prevention of foreign investments that could potentially impair the national security of the United States.

(2) To increase collaboration and cooperation among the United States Government and governments of United States allies and partners on investments described in paragraph (1), including through information sharing.

(3) To increase collaboration and cooperation among agencies of the United States Government to identify and mitigate potential threats to critical United States technologies from foreign state owned or state controlled entities.

(c) ANALYSIS.—The recommendations required by subsection (a) shall be based upon analysis of the following:

(1) Whether the current interagency vetting processes and policies place adequate focus on the potential threats presented by influence of the for-
eign governments over business entities seeking investment in the United States.

(2) The current or projected major vulnerabilities of the defense industrial base pertaining to foreign investment, including in the areas of cybersecurity, reliance on foreign suppliers in the defense supply chain access to materials that are essential for national defense, and the use of transportation assets and other critical infrastructure for training, mobilizing, and deploying forces.

(3) Whether the current interagency vetting process for foreign investments—

(A) requires additional resources to be effective;

(B) permits the interagency establishment adequate time to thoroughly review transactions and to conduct national security threat assessments;

(C) assesses the risks posed by transactions before they are implemented; and

(D) provides adequate monitoring and compliance of agreements to mitigate such risks.

(4) The counterintelligence risks posed by purchases or leases of Federal land.
(5) Whether and to what extent industrial espionage is occurring against private United States companies to obtain commercial secrets related to critical or foundational technologies.

(6) Whether and to what extent foreseeable foreign investments have the potential to—

(A) reduce any United States technological or industrial advantage of the United States; or

(B) increase the vulnerability of the United States to information operations, including the purposeful dissemination of false or misleading information to the American public and the manipulation of American public opinion on critical public policy issues.

(7) Whether currently mandated annual reports to Congress on the interagency vetting of foreign investments should be revised to ensure that they provide valuable information.

(d) CONSIDERATIONS.—The recommendations required by subsection (a) shall take into consideration each of the following:

(1) Trends in foreign investment transactions, including joint ventures, the sale of assets pursuant to bankruptcy, and the purchase or lease of real es-

state in proximity to Government installations that could impair national security.

(2) Strategies used by foreign investors to exploit vulnerabilities in existing foreign investment vetting processes and regulations.

(3) Any market distortion or unfair competition incurred by foreign transactions that directly or indirectly impairs the national security or the United States.

(e) REPORTS.—

(1) INTERIM REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate committees of Congress a report on the progress of the Secretary in developing the recommendations required by subsection (a).

(2) FINAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the appropriate committees of Congress a report setting forth the recommendations developed pursuant to subsection (a).

(3) FORM.—Each report under this subsection shall be submitted in unclassified form, but may include a classified annex.
(4) APPROPRIATE COMMITTEES OF CONGRESS.—In this subsection, the term “appropriate committees of Congress” means—

(A) the Committees on Armed Services of the Senate and the House of Representatives;

(B) the Committee on Foreign Affairs of the House of Representatives;

(C) the Committee on Foreign Relations of the Senate;

(D) the Committee on Financial Services of the House of Representatives;

(E) the Committee on Finance of the Senate;

(F) the Permanent Select Committee on Intelligence of the House of Representatives; and

(G) the Select Committee on Intelligence of the Senate.

SEC. 1070. BRIEFING ON PRIOR ATTEMPTED RUSSIAN CYBER ATTACKS AGAINST DEFENSE SYSTEMS.

Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Director of National Intelligence, shall provide to the Committees on Armed Services of the Senate and
House of Representatives a briefing on all attempts to
breach, intrude, or otherwise hack into Department of De-
fense systems that—

(1) occurred during the last 24-month period
ending on the date of the enactment of this Act; and

(2) were attributable either to the government
of the Russian Federation or actors substantially
supported by the government of the Russian Feder-
ation.

SEC. 1071. ENHANCED ANALYTICAL AND MONITORING CA-
PABILITY OF THE DEFENSE INDUSTRIAL
BASE.

(a) PROCESS.—

(1) IN GENERAL.—Not later than 90 days after
the date of enactment of this Act, the Secretary of
Defense shall establish a process, or designate an ex-
isting process, for enhancing the ability of the De-
partment of Defense to analyze, assess, and monitor
the vulnerabilities of, and concentration of purchases
in, the defense industrial base.

(2) ELEMENTS.—The process required by sub-
section (a) shall include the following elements:

(A) Designation of a senior official respon-
sible for overseeing the development and imple-
mentation of the process.
(B) Development or integration of tools to support commercial due diligence and business intelligence or to otherwise analyze and monitor commercial activity to understand business relationships affecting the defense industrial base.

(C) Development of risk profiles of products, services, or entities based on business intelligence, commercial due diligence tools and data services.

(D) As the Secretary determines necessary, integration with intelligence sources to develop threat profiles of entities attempting transactions with a defense industrial base companies.

(E) Other matters as the Secretary deems necessary.

(3) NOTIFICATION.—Not later than 90 days after establishing or designating the process required by subsection (a), the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representatives notice in writing that such process has been established or otherwise designated. Such notification shall include the following:

(A) Identification of the official required to be designated under paragraph (2)(A).
(B) Identification of the tools described in paragraph (2)(B) that are currently available to Department of Defense and any other tools available commercially or otherwise that might contribute to enhancing the analytic capability of the process.

(C) Identification of, or recommendations for, any statutory changes needed to improve the effectiveness of the process.

(D) Projected resources necessary to purchase any commercially available tools identified under subparagraph (B) and to carry out any statutory changes identified under subparagraph (C).

(b) REPORTING.—

(1) CONSOLIDATED REPORT ON VULNERABILITIES OF, AND CONCENTRATION OF PURCHASES IN, THE DEFENSE INDUSTRIAL BASE.—

(A) REPORT REQUIRED.—For each of fiscal years 2018 through 2023, the Secretary of Defense shall submit to the appropriate congressional committees a consolidated report that combines all of the reports required to be provided to Congress for that fiscal year on the adequacy of, vulnerabilities of, and concentra-
tion of purchases in the defense industrial sector. Such consolidated report shall include each of the following:

(i) The report required under section 721(m) of the Defense Production Act of 1950 (50 U.S.C. 4565(m)) (relating to concentrations of purchases of the defense industrial base).

(ii) The report required under section 723(a) of the Defense Production Act of 1950 (50 U.S.C. 4568(a)) (relating to offsets in defense production).

(iii) The report required under section 2504 of title 10, United States Code (relating to annual industrial capabilities).

(iv) Any other reports the Secretary determines appropriate.

(B) DEADLINE.—A consolidated report under subparagraph (A) shall be submitted by not later than March 31 of the fiscal year following the fiscal year for which the report is submitted.

(2) REVIEW OF TECHNOLOGY PROTECTION POLICY.—Not later than 270 days after the date of the enactment of this Act, the Secretary of Defense shall
submit to the appropriate congressional committees a report describing any need for reforms of policies governing the export of technology or related intellectual property, along with any proposed legislative changes the Secretary believes are necessary.

(3) FORM OF REPORTS.—Each report submitted under this subsection shall be in unclassified form, but may contain a classified annex.

(4) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term “appropriate congressional committees” means—

(A) the Committee on Armed Services, the Committee on Financial Services, the Committee on Foreign Affairs, and the Permanent Select Committee on Intelligence of the House of Representatives; and

(B) the Committee on Armed Services, the Committee on Banking, Housing, and Urban Affairs, the Committee on Foreign Relations, and the Select Committee on Intelligence of the Senate.

SEC. 1072. REPORT ON DEFENSE OF COMBAT LOGISTICS AND STRATEGIC MOBILITY FORCES.

(a) REPORT REQUIRED.—Not later than April 1, 2018, the Secretary of the Navy shall submit to the Com-
mittees on Armed Services of the Senate and the House of Representatives a report on the defense of combat logistics and strategic mobility forces.

(b) COVERED PERIODS.—The report required by subsection (a) shall cover two periods:

(1) The period from 2018 through 2025.

(2) The period from 2026 through 2035.

(c) ELEMENTS.—The report required by subsection (a) shall include, for each of the periods covered by the report, the following:

(1) A description of potential warfighting planning scenarios in which combat logistics and strategic mobility forces will be threatened, including the most demanding operational plan requiring such forces.

(2) A description of the combat logistics and strategic mobility forces capacity, including additional combat logistics and strategic mobility forces, that may be required due to losses from attacks under each scenario described pursuant to paragraph (1).

(3) A description of the projected capability and capacity of subsurface threats to combat logistics and strategic mobility forces for each scenario described pursuant to paragraph (1).
(4) A description of planned operating concepts for defending combat logistics and strategic mobility forces from subsurface, surface, and air threats for each scenario described pursuant to paragraph (1).

(5) An assessment of the ability and availability of United States naval forces to defend combat logistics and strategic mobility forces from the threats described pursuant to paragraph (1), while also accomplishing other assigned missions, for each scenario described pursuant to that paragraph.

(6) A description of specific capability gaps or risk areas in the ability or availability of United States naval forces to defend combat logistics and strategic mobility forces from the threats described pursuant to paragraph (1).

(7) A description and assessment of potential solutions to address the capability gaps and risk areas identified pursuant to paragraph (6), including new capabilities, increased capacity, or new operating concepts that could be employed by United States naval forces.

(d) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.
(e) **Combat Logistics and Strategic Mobility Forces Defined.**—In this section, the term “combat logistics and strategic mobility forces” means the combat logistics force, the Ready Reserve Force, and the Military Sealift Command surge fleet.

**SEC. 1073. Report on Acquisition Strategy to Recapitalize the Existing System for Undersea Fixed Surveillance.**

(a) **In General.**—Not later than 60 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a report on the acquisition strategy to recapitalize the existing system for undersea fixed surveillance.

(b) **Elements.**—The report required by subsection (a) shall address the following matters:

1. A description of undersea fixed surveillance system recapitalization requirements, including key performance parameters and key system attributes as applicable.

2. Cost estimates for procuring a future system or systems.

3. Projected dates for key milestones within the acquisition strategy.

4. A description of how the acquisition strategy will improve performance in the areas of detec-
tion and localization compared to the legacy system to enable effective performance against current, emerging, and future threats over the life of the systems.

(5) A description of how the acquisition strategy will encourage competition and reward innovation for addressing system performance requirements.

SEC. 1074. REPORT ON IMPLEMENTATION OF REQUIREMENTS IN CONNECTION WITH THE ORGANIZATION OF THE DEPARTMENT OF DEFENSE FOR MANAGEMENT OF SPECIAL OPERATIONS FORCES AND SPECIAL OPERATIONS.

(a) Report Required.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the implementation of section 922 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2354) and the amendments made by that section (in this section collectively referred to as the “covered authority”).

(b) Elements.—The report required by subsection (a) shall include the following:
(1) A statement of the responsibilities of the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict that is consistent with the covered authority, including an identification of any responsibilities to be divested by the Assistant Secretary pursuant to the covered authority.

(2) A resource-unconstrained analysis of manpower requirements necessary to satisfy the responsibilities akin to those of the Secretary of a military department that are specified by the covered authority.

(3) An accounting of civilian, military, and contractor personnel currently assigned to the fulfillment of the responsibilities akin to those of the Secretary of a military department that are specified by the covered authority, including responsibilities relating to budget, personnel, programs and requirements, acquisition, and special access programs.

(4) A description of actions taken to implement the covered authority as of the date of the report, including the assignment of any additional civilian, military, or contractor personnel to fulfill additional responsibilities akin to those of the Secretary of a military department that are specified by the covered authority.
(5) An explanation how the responsibilities akin to those of the Secretary of a military department that assigned to the Assistant Secretary by the covered authority will be fulfilled in the absence of additional personnel being assigned to the office of the Assistant Secretary.

(6) An assessment of whether the responsibilities specified in section 138(b)(4) of title 10, United States Code, could be accomplished more effectively if the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict were elevated to an Under Secretary, including the potential benefits and negative consequences of such a change.

(7) Any other matters the Secretary considers appropriate.

SEC. 1075. REPORT ON THE GLOBAL FOOD SYSTEM AND VULNERABILITIES RELEVANT TO DEPARTMENT OF DEFENSE MISSIONS.

(a) REPORT REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall, in consultation with the heads of such components of the Department of Defense as the Secretary considers appropriate, submit to the congressional defense committees an assessment of Department of Defense policies and operational plans for addressing the na-
tional security implications of global food system vulnerabilities.

(b) CONTENTS.—The report required by subsection (a) shall include, at a minimum, the following:

(1) An evaluation of vulnerabilities in the global food system that may affect the national security of the United States and the Department of Defense roles, missions, and capabilities in addressing such vulnerabilities, including information technology, data management, and surveillance capabilities for detection and assessment of food system shocks with the potential to result in the deployment of the Armed Forces or directly affect bilateral security interests with allies or partners.

(2) A characterization of how Department of Defense strategy, policies, and plans, including the Unified Command Plan, defense planning scenarios, operational plans, theater cooperation plans, and other relevant planning documents and procedures, account for food system vulnerabilities as precursors to and components of protracted major state conflicts, civil wars, insurgencies, or terrorism.

(3) An evaluation of United States interests, including the interests of allies and strategic partners, and potential United States military operations, in-
including thresholds for ordering such operations, in regions where food system instability represents an urgent and growing threat, including due to the presence of destabilizing non-state actors who may weaponize access to food.

(4) An identification of opportunities to initiate or further develop cooperative military-to-military relationships to build partner capacity to avoid, minimize, or control global and regional food system shocks.

Subtitle G—Modernizing Government Technology

SEC. 1076. DEFINITIONS.

In this subtitle:

(1) Administrator.—The term “Administrator” means the Administrator of General Services.

(2) Board.—The term “Board” means the Technology Modernization Board established under section 1094(c)(1).

(3) Cloud computing.—The term “cloud computing” has the meaning given the term by the National Institute of Standards and Technology in NIST Special Publication 800–145 and any amending or superseding document thereto.
(4) **DIRECTOR.**—The term “Director” means the Director of the Office of Management and Budget.

(5) **FUND.**—The term “Fund” means the Technology Modernization Fund established under section 1094(b)(1).

(6) **INFORMATION TECHNOLOGY.**—The term “information technology” has the meaning given the term in section 3502 of title 44, United States Code.

(7) **IT WORKING CAPITAL FUND.**—The term “IT working capital fund” means an information technology system modernization and working capital fund established under section 1093(b)(1).

(8) **LEGACY INFORMATION TECHNOLOGY SYSTEM.**—The term “legacy information technology system” means an outdated or obsolete system of information technology.

### SEC. 1077. ESTABLISHMENT OF AGENCY INFORMATION TECHNOLOGY SYSTEMS MODERNIZATION AND WORKING CAPITAL FUNDS.

(a) **DEFINITION.**—In this section, the term “covered agency” means each agency listed in section 901(b) of title 31, United States Code.

(b) **INFORMATION TECHNOLOGY SYSTEM MODERNIZATION AND WORKING CAPITAL FUNDS.**—
(1) **Establishment.**—The head of a covered agency may establish within the covered agency an information technology system modernization and working capital fund for necessary expenses described in paragraph (3).

(2) **Source of Funds.**—The following amounts may be deposited into an IT working capital fund:

(A) Reprogramming and transfer of funds made available in appropriations Acts enacted after the date of enactment of this Act, including the transfer of any funds for the operation and maintenance of legacy information technology systems, in compliance with any applicable reprogramming law or guidelines of the Committees on Appropriations of the Senate and the House of Representatives or transfer authority specifically provided in appropriations law.

(B) Amounts made available to the IT working capital fund through discretionary appropriations made available after the date of enactment of this Act.
(3) Use of funds.—An IT working capital fund established under paragraph (1) may only be used—

(A) to improve, retire, or replace existing information technology systems in the covered agency to enhance cybersecurity and to improve efficiency and effectiveness across the life of a given workload, procured using full and open competition among all commercial items to the greatest extent practicable;

(B) to transition legacy information technology systems at the covered agency to commercial cloud computing and other innovative commercial platforms and technologies, including those serving more than 1 covered agency with common requirements;

(C) to assist and support covered agency efforts to provide adequate, risk-based, and cost-effective information technology capabilities that address evolving threats to information security;

(D) to reimburse funds transferred to the covered agency from the Fund with the approval of the Chief Information Officer, in con-
sultation with the Chief Financial Officer, of the covered agency; and

(E) for a program, project, or activity or to increase funds for any program, project, or activity that has not been denied or restricted by Congress.

(4) EXISTING FUNDS.—An IT working capital fund may not be used to supplant funds provided for the operation and maintenance of any system within an appropriation for the covered agency at the time of establishment of the IT working capital fund.

(5) PRIORITIZATION OF FUNDS.—The head of each covered agency—

(A) shall prioritize funds within the IT working capital fund of the covered agency to be used initially for cost savings activities approved by the Chief Information Officer of the covered agency; and

(B) may reprogram and transfer any amounts saved as a direct result of the cost savings activities approved under clause (i) for deposit into the IT working capital fund of the covered agency, consistent with paragraph (2)(A).

(6) AVAILABILITY OF FUNDS.—
(A) IN GENERAL.—Any funds deposited into an IT working capital fund shall be available for obligation for the 3-year period beginning on the last day of the fiscal year in which the funds were deposited.

(B) TRANSFER OF UNOBLIGATED AMOUNTS.—Any amounts in an IT working capital fund that are unobligated at the end of the 3-year period described in subparagraph (A) shall be transferred to the general fund of the Treasury.

(7) AGENCY CIO RESPONSIBILITIES.—In evaluating projects to be funded by the IT working capital fund of a covered agency, the Chief Information Officer of the covered agency shall consider, to the extent applicable, guidance issued under section 1094(b)(1) to evaluate applications for funding from the Fund that include factors including a strong business case, technical design, consideration of commercial off-the-shelf products and services, procurement strategy (including adequate use of rapid, iterative software development practices), and program management.

(c) REPORTING REQUIREMENT.—
(1) IN GENERAL.—Not later than 1 year after
the date of enactment of this Act, and every 6
months thereafter, the head of each covered agency
shall submit to the Director, with respect to the IT
working capital fund of the covered agency—

(A) a list of each information technology
investment funded, including the estimated cost
and completion date for each investment; and

(B) a summary by fiscal year of obliga-
tions, expenditures, and unused balances.

(2) PUBLIC AVAILABILITY.—The Director shall
make the information submitted under paragraph
(1) publicly available on a website.

SEC. 1078. ESTABLISHMENT OF TECHNOLOGY MODERNIZA-
TION FUND AND BOARD.

(a) DEFINITION.—In this section, the term “agency”
has the meaning given the term in section 551 of title 5,
United States Code.

(b) TECHNOLOGY MODERNIZATION FUND.—

(1) ESTABLISHMENT.—There is established in
the Treasury a Technology Modernization Fund for
technology-related activities, to improve information
technology, to enhance cybersecurity across the Fed-
eral Government, and to be administered in accord-
ance with guidance issued by the Director.
(2) ADMINISTRATION OF FUND.—The Administrator, in consultation with the Chief Information Officers Council and with the approval of the Director, shall administer the Fund in accordance with this subsection.

(3) USE OF FUNDS.—The Administrator shall, in accordance with recommendations from the Board, use amounts in the Fund—

(A) to transfer such amounts, to remain available until expended, to the head of an agency for the acquisition of products and services, or the development of such products and services when more efficient and cost effective, to improve, retire, or replace existing Federal information technology systems to enhance cybersecurity and privacy and improve long-term efficiency and effectiveness;

(B) to transfer such amounts, to remain available until expended, to the head of an agency for the operation and procurement of information technology products and services, or the development of such products and services when more efficient and cost effective, and acquisition vehicles for use by agencies to improve Governmentwide efficiency and cybersecurity in
accordance with the requirements of the agencies;

(C) to provide services or work performed in support of—

(i) the activities described in subparagraph (A) or (B); and

(ii) the Board and the Director in carrying out the responsibilities described in subsection (c)(2); and

(D) to fund only programs, projects, or activities or to fund increases for any programs, projects, or activities that have not been denied or restricted by Congress.

(4) Authorization of Appropriations; Credits; Availability of Funds.—

(A) Authorization of Appropriations.—There is authorized to be appropriated to the Fund $250,000,000 for each of fiscal years 2018 and 2019.

(B) Credits.—In addition to any funds otherwise appropriated, the Fund shall be credited with all reimbursements, advances, or refunds or recoveries relating to information technology or services provided for the purposes described in paragraph (3).
(C) AVAILABILITY OF FUNDS.—Amounts deposited, credited, or otherwise made available to the Fund shall be available until expended for the purposes described in paragraph (3).

(5) REIMBURSEMENT.—

(A) REIMBURSEMENT BY AGENCY.—

(i) IN GENERAL.—The head of an agency shall reimburse the Fund for any transfer made under subparagraph (A) or (B) of paragraph (3), including any services or work performed in support of the transfer under paragraph (3)(C), in accordance with the terms established in a written agreement described in paragraph (6).

(ii) REIMBURSEMENT FROM SUBSEQUENT APPROPRIATIONS.—Notwithstanding any other provision of law, an agency may make a reimbursement required under clause (i) from any appropriation made available after the date of enactment of this Act for information technology activities, consistent with any applicable reprogramming law or guidelines of
the Committees on Appropriations of the Senate and the House of Representatives.

(iii) Recording of Obligation.—Notwithstanding section 1501 of title 31, United States Code, an obligation to make a payment under a written agreement described in paragraph (6) in a fiscal year after the date of enactment of this Act shall be recorded in the fiscal year in which the payment is due.

(B) Prices Fixed by Administrator.—

(i) In General.—The Administrator, in consultation with the Director, shall establish amounts to be paid by an agency under this paragraph and the terms of repayment for activities funded under paragraph (3), including any services or work performed in support of that development under paragraph (3)(C), at levels sufficient to ensure the solvency of the Fund, including operating expenses.

(ii) Review and Approval.—Before making any changes to the established amounts and terms of repayment, the Ad-
ministrator shall conduct a review and obtain approval from the Director.

(C) FAILURE TO MAKE TIMELY REIMBURSEMENT.—The Administrator may obtain reimbursement from an agency under this paragraph by the issuance of transfer and counter-warrants, or other lawful transfer documents, supported by itemized bills, if payment is not made by the agency during the 90-day period beginning after the expiration of a repayment period described in a written agreement described in paragraph (6).

(6) WRITTEN AGREEMENT.—

(A) IN GENERAL.—Before the transfer of funds to an agency under subparagraphs (A) and (B) of paragraph (3), the Administrator, in consultation with the Director, and the head of the agency shall enter into a written agreement—

(i) documenting the purpose for which the funds will be used and the terms of repayment, which may not exceed 5 years unless approved by the Director; and

(ii) which shall be recorded as an obligation as provided in paragraph (5)(A).
(B) REQUIREMENT FOR USE OF INCREMENTAL FUNDING, COMMERCIAL PRODUCTS AND SERVICES, AND RAPID, ITERATIVE DEVELOPMENT PRACTICES.—The Administrator shall ensure—

(i) for any funds transferred to an agency under paragraph (3)(A), in the absence of compelling circumstances documented by the Administrator at the time of transfer, that such funds shall be transferred only on an incremental basis, tied to metric-based development milestones achieved by the agency through the use of rapid, iterative, development processes; and

(ii) that the use of commercial products and services are incorporated to the greatest extent practicable in activities funded under subparagraphs (A) and (B) of paragraph (3), and that the written agreement required under paragraph (6) documents this preference.

(7) REPORTING REQUIREMENTS.—

(A) LIST OF PROJECTS.—

(i) IN GENERAL.—Not later than 6 months after the date of enactment of this
Act, the Director shall maintain a list of each project funded by the Fund, to be updated not less than quarterly, that includes a description of the project, project status (including any schedule delay and cost overruns), financial expenditure data related to the project, and the extent to which the project is using commercial products and services, including if applicable, a justification of why commercial products and services were not used and the associated development and integration costs of custom development.

(ii) **Public Availability.**—The list required under clause (i) shall be published on a public website in a manner that is, to the greatest extent possible, consistent with applicable law on the protection of classified information, sources, and methods.

(B) **Comptroller General Reports.**—Not later than 2 years after the date of enactment of this Act, and every 2 years thereafter, the Comptroller General of the United States...
shall submit to Congress and make publically available a report assessing—

(i) the costs associated with establishing the Fund and maintaining the oversight structure associated with the Fund compared with the cost savings associated with the projects funded both annually and over the life of the acquired products and services by the Fund;

(ii) the reliability of the cost savings estimated by agencies associated with projects funded by the Fund;

(iii) whether agencies receiving transfers of funds from the Fund used full and open competition to acquire the custom development of information technology products or services; and

(iv) the number of IT procurement, development, and modernization programs, offices, and entities in the Federal Government, including 18F and the United States Digital Services, the roles, responsibilities, and goals of those programs and entities, and the extent to which they duplicate work.
(c) **Technology Modernization Board.**—

(1) **Establishment.**—There is established a Technology Modernization Board to evaluate proposals submitted by agencies for funding authorized under the Fund.

(2) **Responsibilities.**—The responsibilities of the Board are—

(A) to provide input to the Director for the development of processes for agencies to submit modernization proposals to the Board and to establish the criteria by which those proposals are evaluated, which shall include—

(i) addressing the greatest security, privacy, and operational risks;

(ii) having the greatest Government-wide impact; and

(iii) having a high probability of success based on factors including a strong business case, technical design, consideration of commercial off-the-shelf products and services, procurement strategy (including adequate use of rapid, agile iterative software development practices), and program management;
(B) to make recommendations to the Administrator to assist agencies in the further development and refinement of select submitted modernization proposals, based on an initial evaluation performed with the assistance of the Administrator;

(C) to review and prioritize, with the assistance of the Administrator and the Director, modernization proposals based on criteria established pursuant to subparagraph (A);

(D) to identify, with the assistance of the Administrator, opportunities to improve or replace multiple information technology systems with a smaller number of information technology services common to multiple agencies;

(E) to recommend the funding of modernization projects, in accordance with the uses described in subsection (b)(3), to the Administrator;

(F) to monitor, in consultation with the Administrator, progress and performance in executing approved projects and, if necessary, recommend the suspension or termination of funding for projects based on factors including
the failure to meet the terms of a written agree-
ment described in subsection (b)(6); and

(G) to monitor the operating costs of the
Fund.

(3) **MEMBERSHIP.**—The Board shall consist of
7 voting members.

(4) **CHAIR.**—The Chair of the Board shall be
the Administrator of the Office of Electronic Gov-
ernment.

(5) **PERMANENT MEMBERS.**—The permanent
members of the Board shall be—

(A) the Administrator of the Office of
Electronic Government; and

(B) a senior official from the General Serv-
ices Administration having technical expertise
in information technology development, ap-
pointed by the Administrator, with the approval
of the Director.

(6) **ADDITIONAL MEMBERS OF THE BOARD.**—

(A) **APPOINTMENT.**—The other members
of the Board shall be—

(i) 1 employee of the National Protec-
tion and Programs Directorate of the De-
partment of Homeland Security, appointed
by the Secretary of Homeland Security;
and

(ii) 4 employees of the Federal Government primarily having technical expertise in information technology development, financial management, cybersecurity and privacy, and acquisition, appointed by the Director.

(B) Term.—Each member of the Board described in paragraph (A) shall serve a term of 1 year, which shall be renewable not more than 4 times at the discretion of the appointing Secretary or Director, as applicable.

(7) Prohibition on Compensation.—Members of the Board may not receive additional pay, allowances, or benefits by reason of their service on the Board.

(8) Staff.—Upon request of the Chair of the Board, the Director and the Administrator may detail, on a reimbursable or nonreimbursable basis, any employee of the Federal Government to the Board to assist the Board in carrying out the functions of the Board.

(d) Responsibilities of Administrator.—
(1) **IN GENERAL.**—In addition to the responsibilities described in subsection (b), the Administrator shall support the activities of the Board and provide technical support to, and, with the concurrence of the Director, oversight of, agencies that receive transfers from the Fund.

(2) **RESPONSIBILITIES.**—The responsibilities of the Administrator are—

(A) to provide direct technical support in the form of personnel services or otherwise to agencies transferred amounts under subsection (b)(3)(A) and for products, services, and acquisition vehicles funded under subsection (b)(3)(B);

(B) to assist the Board with the evaluation, prioritization, and development of agency modernization proposals.

(C) to perform regular project oversight and monitoring of approved agency modernization projects, in consultation with the Board and the Director, to increase the likelihood of successful implementation and reduce waste; and
(D) to provide the Director with information necessary to meet the requirements of subsection (b)(7).

(e) **Effective Date.**—This section shall take effect on the date that is 90 days after the date of enactment of this Act.

(f) **Sunset.**—

(1) **In General.**—On and after the date that is 2 years after the date on which the Comptroller General of the United States issues the third report required under subsection (b)(7)(B), the Administrator may not award or transfer funds from the Fund for any project that is not already in progress as of such date.

(2) **Transfer of Unobligated Amounts.**—Not later than 90 days after the date on which all projects that received an award from the Fund are completed, any amounts in the Fund shall be transferred to the general fund of the Treasury and shall be used for deficit reduction.

(3) **Termination of Technology Modernization Board.**—Not later than 90 days after the date on which all projects that received an award from the Fund are completed, the Technology Mod-
ernization Board and all the authorities of sub-
section (e) shall terminate.

**Subtitle H—Other Matters**

SEC. 1081. TECHNICAL, CONFORMING, AND CLERICAL

AMENDMENTS.

(a) **Title 10, United States Code.—**Title 10,
United States Code, is amended as follows:

(1) Section 113(j)(1) is amended by striking
“the Committee on” the first place it appears and
all that follows through “of Representatives” and in-
serting “congressional defense committees”.

(2) Section 115(i)(9) is amended by striking
“section 1203(b) of the Cooperative Threat Reduc-
tion Act of 1993 (22 U.S.C. 5952(b))” and inserting
“section 1321(a) of the Department of Defense Co-
operative Threat Reduction Act (50 U.S.C.
3711(a))”.

(3) Section 122a(a) is amended by striking
“acting through the Office of the Assistant Sec-
retary of Defense for Public Affairs” and inserting
“acting through the Assistant to the Secretary of
Defense for Public Affairs”.

(4) Section 127(c)(1) is amended by striking
“the Committee on” the first place it appears and
all that follows through “of Representatives” and inserting “congressional defense committees”.

(5) Section 129a(b) is amended by striking “(as identified pursuant to section 118b of this title)”.

(6) Section 130f(b)(1) is amended by adding a period at the end.

(7) Section 139b(c)(2) is amended by inserting a period at the end of subparagraph (K).

(8) Section 153(a) is amended by inserting a colon after “the following” in the matter preceding paragraph (1).

(9) Section 162(a)(4) is amended by striking the comma after “command of”.

(10) Section 164(a)(1)(B) is amended by striking “section 664(f)” and inserting “section 664(d)”.

(11) Section 166(c) is amended by striking “section 2011” and inserting “section 322”.

(12) Section 167b(e)(2)(A)(iii)(II) is amended by striking “Fiscal Year 2014” and inserting “Fiscal Year 2016”.

(13) Section 171a is amended—

(A) in subsection (f), by striking “(4))” and inserting “(4))”;

and
(B) in subsection (i)(3), by striking “section 2366(e)” and inserting “sections 2366(e) and 2366a(d”).

(14) Section 179(f)(3)(B)(iii) is amended by striking “Joints” and inserting “Joint”.

(15) Section 181(b)(1) is amended by striking “section 118” and inserting “section 113(g)”.

(16) Section 222(b) is amended by striking “both” through the period at the end and inserting “major force programs.”.

(17) Section 342(j)(2) is amended by striking the second period at the end.

(18) Section 347(a)(1)(A) is amended by inserting “section” in clauses (i) and (iii) after “Academy under”.

(19) Section 494(b)(2)(B) is amended by striking “of title 10” and inserting “of this title”.

(20) Section 661(c) is amended by striking “section 664(f)” in paragraphs (1)(B)(i) and (3)(A) and inserting “section 664(d)”.

(21) Section 801 (article 1 of the Uniform Code of Military Justice) is amended in the matter preceding paragraph (1) by striking “chapter:” and inserting “chapter (the Uniform Code of Military Justice):”.

(22) Section 806b(b) (article 6b(b) of the Uniform Code of Military Justice) is amended by striking “(the Uniform Code of Military Justice)”. 

(23) Section 1073e(a)(1)(E) is amended by striking “miliary” and inserting “military”. 

(24) Section 1074g(a)(9) is amended by moving subparagraphs (B) and (C) two ems to the left. 

(25) Section 1451 is amended in subsections (a) and (b) by striking “section 1450(a)(4)” each place it appears and inserting “section 1450(a)(5)”. 

(26) Section 1452(c) is amended in paragraphs (1) and (3) by striking “section 1450(a)(4)” both places it appears and inserting “section 1450(a)(5)”. 

(27) Subsection (i) of section 1552, as redesignated by section 511(a)(1) of this Act, is amended by striking “calender” each place it appears and inserting “calendar”. 

(28) Section 1553(f) is amended by striking “calender” each place it appears and inserting “calendar”. 

(29) Section 2264(b)(3) is amended by striking “the date of the” and all the follows through “2015” and inserting “December 19, 2014”. 

(30) Section 2330a is amended—
(A) in subsection (d)(1)(C), by striking “management;” and inserting “management;”;

and

(B) in subsection (h)—

(i) in paragraph (1), by inserting “PERFORMANCE-BASED.—” after “(1)”;

(ii) by designating the four paragraphs after paragraph (4) as paragraphs (5), (6), (7), and (8), respectively;

(iii) in paragraph (5), as redesignated, by inserting “SERVICE ACQUISITION PORTFOLIO GROUPS.—” after “(5)”; and

(iv) in paragraph (6), as redesignated, by inserting “STAFF AUGMENTATION CONTRACTS.—” after “(6)”.

(31) Section 2334(a)(6)(B) is amended by adding a semicolon at the end.

(32) Section 2335 is amended by striking “(2 U.S.C. 431 et seq.)” in subsections (c)(1) and (d)(3) and inserting “(52 U.S.C. 30101 et seq.)”.

(33) The table of sections at the beginning of chapter 139 is amended by inserting at period at the end of the items relating to sections 2372 and 2372a.
(34) Section 2364(a)(6) is amended by striking “conveys” and inserting “convey”.

(35) Section 2372 is amended by striking “subsection (c)(3)(A)” and inserting “subsection (c)(2)(A)”.

(36) Section 2411(1)(D) is amended by striking “(Public Law 93–638; 25 U.S.C. 450b(l))” and inserting “(25 U.S.C. 5304(l))”.

(37) The item relating to section 2431b in the table of sections at the beginning of chapter 144 is amended to read as follows:

“2431b. Risk management and mitigation in major defense acquisition programs and major systems.”.

(38) Section 2430 is amended by striking “subsection (a)(2)” in subsections (b) and (c) and inserting “subsection (a)(1)(B)”.

(39) Section 2431a(d) is amended by inserting “(1)” after “REVIEW.—”.

(40) Section 2446b(e) is amended—

(A) in the matter preceding paragraph (1), by striking “in writing that—” and inserting “in writing—”; and

(B) in paragraph (1), by inserting “, that” after “open system approach”.

(41) Section 2548(e) is amended—
(A) by striking “REQUIREMENTS” and all that follows through “by the Secretary” and inserting “REQUIREMENT.—The annual report prepared by the Secretary”;

(B) by striking “system; and” and inserting “system.”; and

(C) by striking paragraph (2).

(42) The table of sections at the beginning of chapter 152 is amended by inserting a period at the end of the item relating to section 2567.

(43) Section 2576a(b) is amended by striking “and” at the end of paragraph (4).

(44) Section 2612(a) is amended by striking “section 2166(f)(4)” and inserting “section 343(f)(4)”.

(45) Section 2662(f)(1)(D) is amended by striking “section 334” and inserting “section 254”.

(46) Section 2667(e) is amended—

(A) in paragraph (1)(E), by striking “military museum described in section 489(a) of this title” and inserting “military museum”; and

(B) in paragraph (4), by striking “before January 1, 2005, shall be deposited into the account” and inserting “shall be deposited into
the Department of Defense Base Closure Account”; and

(C) by striking paragraph (5).

(47) Section 2667(k) is amended by striking “section 9101” and inserting “section 8101”.

(48) Section 2925(b)(1) is amended by striking “section 138c” and inserting “section 2926(b)”.

(49) Chapter 449 is amended—

(A) by striking the second section 4781;

and

(B) in the table of sections, by striking the item relating to the second section 4781.

(50) Section 7235(e)(2) is amended by striking “24 months after the date of the enactment of this section” and inserting “November 25, 2017,”.

(51) The item relating to section 9517 in the table of sections at the beginning of chapter 931 is amended by making the first letter of the third word lower case.

(b) Amendments Related to Repeal of Pending Authority To Establish Under Secretary of Defense for Business Management and Information.—

(1) National defense authorization act for fiscal year 2015.—Effective as of December

(A) by striking subsection (j);

(B) in subsection (l)(1), by striking sub-paragraph (A);

(C) in subsection (m), by striking paragraphs (1) and (2); and

(D) in subsection (n), by striking paragraph (1).

(2) NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2016.—Effective as of November 25, 2015, subsection (f) of section 883 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92), as added by section 1081(c)(5) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), is amended by striking paragraph (1).

(e) TECHNICAL CORRECTIONS RELATED TO UNIFORM CODE OF MILITARY JUSTICE REFORM.—
I N GENERAL.—Chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), as amended by the Military Justice Act of 2016 (division E of Public Law 114–328), is further amended as follows:

(A) Section 801 (article 1) is amended, in the matter preceding paragraph (1), by inserting “(the Uniform Code of Military Justice)” after “chapter”.

(B) Subsection (b) of section 806b (article 6b), as amended by section 5105 of the Military Justice Act of 2016 (130 Stat. 2895) is amended by striking “(the Uniform Code of Military Justice)”.

(C) Subsections (b) and (c) of section 816 (article 16), as amended by section 5161 of the Military Justice Act of 2016 (130 Stat. 2897) are amended by striking “sections 825(d)(3) and 829 of this title (articles 25(d)(3) and 29)” each place it appears and inserting “sections 825(e)(3) and 829 of this title (articles 25(e)(3) and 29)”.

(D) Subsection (a)(4) of section 839 (article 39), as added by section 5222(1) of the Military Justice Act of 2016 (130 Stat. 2909),
is amended by striking “in non-capital cases unless the accused requests sentencing by members under section 825 of this title (article 25)” and inserting “under section 853(b)(1) of this title (article 53(b)(1))”.

(E) Subsection (i) of section 843 (article 43), as added by section 5225(c) of the Military Justice Act of 2016 (130 Stat. 2909), is amended by striking “DNA EVIDENCE.—” and inserting “DNA EVIDENCE.—”.

(F) Section 848(c)(1) (article 48(c)(1)), as amended by section 5230 of the Military Justice Act of 2016 (130 Stat. 2913), is further amended by striking “section 866(g) of this title (article 66(g))” and inserting “section 866(h) of this title (article 66(h))”.

(G) Section 853(b)(1)(B) (article 53(b)(1)(B)), as amended by section 5236 of the Military Justice Act of 2016 (130 Stat. 2937), is further amended by striking “in a trial”.

(H) Subsection (d) of section 853a (article 53a), as added by section 5237 of the Military Justice Act of 2016 (130 Stat. 2917), is amended by striking “military judge” the sec-
ond place it appears and inserting “court-martial”.

(I) Section 864(a) (article 64(a)), as amended by section 5328(a) of the Military Justice Act of 2016 (130 Stat. 2929), is further amended by striking “(a) (a) IN GENERAL.—” and inserting “(a) IN GENERAL.—”.

(J) Subsection (b)(1) of section 865 (article 65), as added by section 5329 of the Military Justice Act of 2016 (130 Stat. 2930), is amended by striking “section 866(b)(2) of this title (article 66(b)(2))” and inserting “section 866(b)(3) of this title (article 66(b)(3))”.

(K) Subsection (f)(3) of section 866 (article 66), as added by section 5330 of the Military Justice Act of 2016 (130 Stat. 2932), is amended by inserting after “Court” the first place it appears the following: “of Criminal Appeals”.

(L) Section 869(c)(1)(A) (article 69(e)(1)(A)), as amended by section 5333 of the Military Justice Act of 2016 (130 Stat. 2935), is further amended by inserting a comma after “in part”.
(M) Section 882(b) (article 82(b)), as amended by section 5403 of the Military Justice Act of 2016 (130 Stat. 2939), is further amended by striking “section 99” and inserting “section 899”.

(N) Section 919a(b) (article 119a(b)), as amended by section 5401(13)(B) of the Military Justice Act of 2016 (130 Stat. 2939), is further amended—

(i) by striking “928a, 926, and 928” and inserting “926, 928, and 928a”; and

(ii) by striking “128a 126, and 128” and inserting “126, 128, and 128a”.

(O) Section 920(g)(2) (article 120(g)(2)), as amended by section 5430(b) of the Military Justice Act of 2016 (130 Stat. 2949), is further amended in the first sentence by striking “brest” and inserting “breast”.

(P) Section 928(b)(2) (article 128(b)(2)), as amended by section 5441 of the Military Justice Act of 2016 (130 Stat. 2954), is further amended by striking the comma after “substantial bodily harm”.

(Q) Subsection (b)(2) of section 932 (article 132), as added by section 5450 of the Mili-
tary Justice Act of 2016 (130 Stat. 2957), is amended by striking “section 1034(h)” and inserting “section 1034(j)”.

(R) Section 937 (article 137), as amended by section 5503 of the Military Justice Act of 2016 (130 Stat. 2960), is further amended by striking “(the Uniform Code of Military Justice)” each place it appears as follows:

(i) In subsection (a)(1), in the matter preceding subparagraph (A).

(ii) In subsection (b), in the matter preceding subparagraph (A).

(iii) In subsection (d), in the matter preceding paragraph (1).

(2) CROSS-REFERENCES TO STALKING.—Title 10, United States Code, is amended as follows:

(A) Section 673(a) is amended—

(i) by striking “920a, or 920c” and inserting “920c, or 930”; and

(ii) by striking “120a, or 120c” and inserting “120c, or 130”.

(B) Section 674(a) is amended—

(i) by striking “920a, 920b, 920c, or 925” and inserting “920b, 920c, or 930”; and
(ii) by striking “120a, 120b, 120c, or 125” and inserting “120b, 120c, or 130”.

(C) Section 1034(c)(2)(A) is amended by striking “sections 920 through 920c of this title (articles 120 through 120c of the Uniform Code of Military Justice)” and inserting “section 920, 920b, 920c, or 930 of this title (article 120, 120b, 120c, or 130 of the Uniform Code of Military Justice)”.

(D) Section 1044e(g)(1) is amended—

(i) by striking “920a, 920b, 920c, or 925” and inserting “920b, 920c, or 930”;

and

(ii) by striking “120a, 120b, 120c, or 125” and inserting “120b, 120c, or 130”.

(3) CROSS-REFERENCE IN TITLE 5.—Section 8312(b)(2)(A) of title 5, United States Code, is amended by striking “article 106 (spies), or article 106a (espionage)” and inserting “article 103a (espionage), or article 106 (spies)”.

(4) EFFECTIVE DATE.—The amendments made by this subsection shall take effect immediately after the amendments made by the Military Justice Act of 2016 (division E of Public Law 114–328) take effect.
as provided for in section 5542 of that Act (130 Stat. 2967).

(d) National Defense Authorization Act for Fiscal Year 2017.—Effective as of December 23, 2016, and as if included therein as enacted, the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended as follows:

(1) Section 217(a)(2) (130 Stat. 2051) is amended by striking “section 821b” and inserting “section 821(b)”.

(2) Section 233 (10 U.S.C. 2358 note; 130 Stat. 2061) is amended in subsections (a)(1) and (b)(1), by striking “secretaries” and inserting “Secretaries”.

(3) Section 728(b)(1) (130 Stat. 2234) is amended by inserting “(e)” after “Section 1073b”.

(4) Section 805(a)(2) (130 Stat. 2255) is amended by striking “The table of chapters for title 10, United States Code, is” and inserting “The tables of chapters at the beginning of subtitle A, and at the beginning of part IV of subtitle A, of title 10, United States Code, are”.

(5) The matter to be inserted by section 824(d)(1)(B) (130 Stat. 2279) is amended—
(A) by striking “(3)” and inserting “(4)”;

and

(B) by striking “(4)” and inserting “(5)”.

(6) Section 833(b)(2)(C) (130 Stat. 2284) is amended—

(A) in clause (ii), by striking “Section 2330a(j) of title 10, United States Code,” and inserting “Section 2330a(h) of title 10, United States Code, as redesignated by section 812(d),”; and

(B) in clause (iii), in the matter proposed to be inserted, by striking “section 2330a(j)” and inserting “section 2330a(h)”.

(7) Section 865(b)(2) (130 Stat. 2305) is amended by striking “section 2330a(g)(5)” and inserting “section 2330a(h)(4)”.

(8) Section 893(c) (130 Stat. 2324) is amended by inserting “paragraph (2) of” after “is further amended in”.

(9) Section 902(b) (130 Stat. 2344) is amended by striking “Section 151(b)(5)” and inserting “Section 131(b)(5)”.

(10) Section 921(c) (130 Stat. 2351) is amended by inserting after “The text of” the following: “subsection (a) (after the subsection heading)”.
(11) Section 1061(c)(23) (130 Stat. 2400) is amended by striking “488(e)” and inserting “488”.

(12) Section 1061(i) (130 Stat. 2404) is amended—

(A) in paragraph (23), by striking “2010 (Public Law 110–417)” and inserting “2009 (Public Law 110–417; 10 U.S.C. prec. 701 note)”; and

(B) in paragraph (24), by striking “2010” and inserting “2009”.

(13) Section 1064(b) (130 Stat. 2409) is amended by striking “Public Law 113–239” and inserting “Public Law 112–239”.

(14) Section 1253(b) (130 Stat. 2532) is amended by striking “this subchapter” both places it appears and inserting “this subtitle”.

(15) Section 2811(c) (130 Stat. 2716) is amended by striking “, and the provisions of law amended by subsections (a) and (b) of that section shall be restored as if such section had not been enacted into law”.

(16) Section 2829E(a) (130 Stat. 2733) is amended by striking paragraph (3).
(17) Section 5225(f) (130 Stat. 2910) is amended by striking "this subsection" and inserting "this section".

(18) The table of sections to be inserted by section 5452 (130 Stat. 2958) is amended—

(A) by striking "Art." each place it appears, except the first place it appears;

(B) in the item relating to section 887a, by striking "Resistance" and inserting "Resistance";

(C) in the item relating to section 908, by striking "of the United States–Loss" and inserting "of United States–Loss,"

(D) in the item relating to section 909, by striking "of the" and inserting "of";

(E) in the item relating to section 909a, by striking the second period at the end.

(19) The matters to be inserted by section 5541 (130 Stat. 2965) is amended—

(A) by striking "Art." each place it appears;

(B) by striking "825." and inserting "825a."; and

(C) by striking "830." and inserting "830a.".
(e) **National Defense Authorization Act for Fiscal Year 2016.**—Effective as of November 25, 2015, and as if included therein as enacted, section 574 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 831) is amended by striking “1785 note” both places it appears and inserting “1788 note”.


(1) in paragraph (1), by striking “Chapter” and inserting “Subchapter II of chapter”; and

(2) in paragraph (2), by striking “chapter” and inserting “subchapter”.


(j) Coordination With Other Amendments Made by This Act.—For purposes of applying amendments made by provisions of this Act other than this section, the amendments made by this section shall be treated as having been enacted immediately before any such amendments by other provisions of this Act.
SEC. 1082. CLARIFICATION OF APPLICABILITY OF CERTAIN PROVISIONS OF LAW TO CIVILIAN JUDGES OF THE UNITED STATES COURT OF MILITARY COMMISSION REVIEW.

Section 950f(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(5)(A) For purposes of sections 203, 205, 207, 208, and 209 of title 18, the term ‘special Government employee’ shall include a judge of the Court appointed under paragraph (3).

“(B) A person appointed as a judge of the Court under paragraph (3) shall be considered to be an officer or employee of the United States with respect to such person’s status as a judge, but only during periods in which such person is performing the duties of such a judge. Any provision of law that prohibits or limits the political or business activities of an employee of the United States shall only apply to such a judge during such periods.”.

SEC. 1083. MODIFICATION OF REQUIREMENT RELATING TO CONVERSION OF CERTAIN MILITARY TECHNICIAN (DUAL STATUS) POSITIONS TO CIVILIAN POSITIONS.

(a) REvised Reduction.—Section 1053(a)(1) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 10216 note), as
SEC. 1084. NATIONAL GUARD ACCESSIBILITY TO DEPARTMENT OF DEFENSE ISSUED UNMANNED AIRCRAFT.

(a) REVIEW REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Chief of the National Guard Bureau, the Commander of United States Northern Command, and the Commander of United States Pacific Command, shall conduct an efficiency and effectiveness review of the governance structure, coordination processes, documentation, and timing and deadline requirements stipulated in Department of Defense Policy Memorandum 15-002, entitled “Guidance for the Domestic Use of Unmanned Aircraﬅ Systems” and dated February 17, 2015. In conducting the review, the Secretary shall take into account information and data points provided by
State governors and State adjutant generals in assessing
the efficiency and effectiveness of accessing Department
of Defense issued unmanned aircraft systems for State
and National Guard operations.

(b) SUBMITTAL TO CONGRESS.—Not later than 30
days after the completion of the review required by sub-
section (a), the Secretary shall submit the review to the
Committees on Armed Services of the Senate and House
of Representatives.

SEC. 1085. SENSE OF CONGRESS REGARDING AIRCRAFT
CARRIERS.

(a) FINDINGS.—Congress makes the following find-
ings:

(1) Naval aviation was born in the United
States when Eugene Ely launched from the deck of
a United States Navy ship on November 14, 1910,
in a Curtiss Model D.

(2) In 1915, Cpt. Henry C. Mustin made the
first catapult launch aboard a ship underway in a
Curtiss Model AB-2, beginning a century of techno-
logical advancements that have led to today’s Elec-
tromagnetic Aircraft Launch System.

(3) In 1924, Lt. Dixie Kiefer made the first
night catapult launch in a Vought UO-1 in San
Diego harbor.
(4) The first nuclear-powered aircraft carrier, USS Enterprise (CVN 65), was commissioned in 1961, ushering in a new era of the world’s most dominant and capable warships.

(5) In 2013, aircraft carrier USS George Washington (CVN 73) provided humanitarian assistance, medical supplies, food, and water to the victims in the Republic of the Philippines of Super Typhoon Haiyan, once again demonstrating the versatility of aircraft carriers for combat, diplomatic, and humanitarian operations.

(6) In 2017, the first of the next generation of aircraft carriers, USS Gerald R. Ford (CVN 78), was commissioned, marking a continuation of the innovative naval aviation spirit, technological advancement, and war fighting capabilities of aircraft carriers.

(7) For over 70 years, aircraft carriers have been employed in every major and many smaller conflicts, including World War II, Korea, Vietnam, Grenada, Lebanon, Libya, Operation Desert Storm, Afghanistan, Iraq, and the fight against terrorism.

(8) The United States Navy’s aircraft carriers are a cornerstone of the Nation’s ability to project its power and strength.
(9) When aircraft carriers sail the globe they are a statement of national purpose and a symbol of the Nation’s industrial strength, competitive edge, and economic prosperity.

(10) Aircraft carriers are 4.5 acres of sovereign United States territory enabling the Nation to reduce its dependency on other nations while it pursues its national security interests.

(11) Aircraft carriers enable the United States Armed Forces to carry out operations from international waters, often obviating the need to obtain fly-over rights and land-base rights from other nations.

(12) Aircraft carriers are modern, mobile United States military bases complete with airfield, hospital, and communications systems from which the United States can strike at its enemies.

(13) Over 90 percent of world trade is moved by sea, including much of the world’s gas and oil supply, and aircraft carriers patrol vital regions of the world to keep shipping lanes open and protect the interests of the United States and its allies.

(14) There are more than 2,450 companies in 48 States and over 364 congressional districts, and more than 13,100 shipbuilders, who proudly con-
tribute to the construction and maintenance of these
complex and technologically advanced ships.

(15) Thousands of members of the United
States Armed Forces have served the Nation aboard
aircraft carriers in war, peace, and times of crisis.

(b) SENSE OF CONGRESS.—It is the sense of Con-
gress that—

(1) United States aircraft carriers are premier
sea-based power projection platforms and have
served the Nation’s interests in times of war and
peace, adapting to the immediate and ever-changing
nature of the world for over 90 years; and

(2) aircraft carrier contributions and heritage
should be celebrated.

SEC. 1086. SENSE OF CONGRESS RECOGNIZING THE
UNITED STATES NAVY SEABEES.

(a) FINDINGS.—Congress makes the following find-
ings:

(1) On March 5, 1942, Navy Construction
Force personnel, known as the “Seabees”, were offi-
cially established by the Navy Department.

(2) The purpose of the Navy Seabees is to
build, maintain, and support base infrastructure in
remote locations for the Navy and Marine Corps,
while simultaneously being capable of engaging in combat operations.

(3) The Navy Seabees dual-role is exemplified by the Seabee motto *Construimus, Batuimus*: We Build, We Fight.

(4) Throughout their history, the Navy Seabees have answered the call of duty to protect the United States and its democratic values both in times of war and peace.

(5) The Navy Seabees support United States national security at Navy fleet and combatant commands worldwide, through the construction, both on land and underwater, of bases, airfields, roads, bridges, and other infrastructure.

(6) The Navy Seabees and their families have demonstrated unmatched courage and dedication to sacrifice for the United States, from service in World War II, Korea, and Vietnam to the recent conflicts in Afghanistan, Iraq, and elsewhere.

(7) The Navy Seabees exhibit honor, personal courage, and commitment as they sacrifice their personal comfort to keep the United States safe from threats.
(8) The Navy Seabees continue to display strength, professionalism, and bravery in the all-volunteer force.

(b) SENSE OF CONGRESS.—Congress recognizes the United States Navy Seabees and the Navy personnel who comprise the construction force for the Navy and the Marine Corps as critical elements in deterring conflict, overcoming aggression, and rebuilding democratic institutions.

SEC. 1087. CONSTRUCTION OF MEMORIAL TO THE CREW OF THE APOLLO I LAUNCH TEST ACCIDENT AT ARLINGTON NATIONAL CEMETERY.

Subject to applicable requirements of section 2409(b)(2)(E) of title 38, United States Code, the Secretary of the Army, in consultation with the Administrator of the National Aeronautics and Space Administration, the Commission of Fine Arts, and the Advisory Committee on Arlington National Cemetery, shall authorize the construction, at an appropriate place in Arlington National Cemetery, Virginia, of a memorial marker honoring the three members of the crew of the Apollo I who died during a launch rehearsal test on January 27, 1967, in Cape Canaveral, Florida. The memorial may not be constructed in a location that is otherwise suitable as an interment site.
SEC. 1088. DEPARTMENT OF DEFENSE ENGAGEMENT WITH COVERED NON-FEDERAL ENTITIES.

(a) Review of Current Guidance.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense and the Secretary of State shall jointly conduct a review of the guidance of the Department of Defense applicable to Department of Defense engagements with covered non-Federal entities.

(b) Additional Guidance.—If the Secretary of Defense and the Secretary of State determine pursuant to the review under subsection (a) that additional guidance is required in connection with Department of Defense engagements with covered non-Federal entities, the Secretary of Defense, with the concurrence of the Secretary of State, shall, by not later than 180 days after the date of the enactment of this Act, issue such additional guidance as the Secretaries consider appropriate in light of the review. Any such additional guidance shall be consistent with—

(1) applicable law, as in effect on the date of the enactment of this Act;

(2) Department of Defense guidance with respect to solicitation and preferential treatment, as in effect on the date of the enactment of this Act, including such guidance specified in the Department of Defense Joint Ethics Regulations; and
(3) the principle that the Department of State and the United States Agency for International Development are the principal United States agencies with primary responsibility for providing and coordinating humanitarian and economic assistance.

(c) BRIEFING.—Not later than 150 days after the date of the enactment of this Act, the Secretary of Defense and the Secretary of State shall jointly provide to the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a briefing on the findings of the review required under subsection (a).

(d) COVERED NON-FEDERAL ENTITY DEFINED.—In this section, the term “covered non-Federal entity” means an organization that—

(1) is based in the United States;

(2) has an independent board of directors and is subject to independent financial audits;

(3) is substantially privately-funded;

(4) is described in section 501(c)(3) of the Internal Revenue Code of 1986 and is exempt from taxation under section 501(a) of such Code;

(5) provides international assistance; and
815

(6) has a stated mission of supporting United States military missions abroad.

SEC. 1089. PRIZE COMPETITION TO IDENTIFY ROOT CAUSE OF PHYSIOLOGICAL EPISODES ON NAVY, MARINE CORPS, AND AIR FORCE TRAINING AND OPERATIONAL AIRCRAFT.

(a) In General.—Under the authority of section 2374a of title 10, United States Code, and section 24 of the Stevenson-Wydler Technology Innovation Act of 1980 (15 U.S.C. 3719), the Secretary of Defense, in consultation with the Secretary of the Navy, the Secretary of the Air Force, the Commandant of the Marine Corps, and the heads of any other appropriate Federal agencies that have experience in prize competitions, and when appropriate, in coordination with private organizations, may establish a prize competition designed to accelerate identification of the root cause or causes of, or find solutions to, physiological episodes experienced in Navy, Marine Corps, and Air Force training and operational aircraft.

(b) Evaluation of Personnel.—The Secretary of Defense, or the Secretary’s designee, shall select the person or persons to conduct the competition authorized in subsection (a) and evaluate any submissions.

(c) Limitation.—The Secretary of Defense may not exercise the authority under subsection (a) before the date...
that is 15 days after the date on which the Secretary of
Defense submits to congressional defense committees cer-
tification in writing that the use of the authority will not
compromise classified information, proprietary informa-
tion, or intellectual property.

SEC. 1090. PROVIDING ASSISTANCE TO HOUSE OF REP-
RESENTATIVES IN RESPONSE TO CYBERSEC-
URITY EVENTS.

(a) Provision of Assistance.—If the Speaker of
the House of Representatives (or the Speaker’s designee),
with the concurrence of the Minority Leader of the House
of Representatives (or the Minority Leader’s designee), de-
termines that a cybersecurity event has occurred and that
containing, mitigating, or resolving the event exceeds the
resources of the House of Representatives, then notwith-
standing any other provision of law or any rule, regulation,
or executive order—

(1) the Speaker may request assistance in re-
sponding to the event from the head of any Execu-
tive department, military department, or inde-
pendent establishment;

(2) not later than 24 hours after receiving the
request, the head of the department or establish-
ment shall begin to provide appropriate assistance in
response to the incident, including (if necessary) re-
storing the information systems of the House to an operational state which allows for the continuation of the legislative process and for Members, officers, and employees of the House to continue to meet their official and representational duties; and

(3) such assistance shall be provided without reimbursement by the House of Representatives.

(b) Scope of Assistance.—

(1) In general.—The assistance provided to the Speaker by the head of a department or establishment under this section may consist only of a type that the head of the department or establishment is authorized under law to provide to the department or establishment, another Executive department, military department, or independent establishment, or a private entity.

(2) Connections between department or establishment and House information systems.—In providing assistance under this section—

(A) personnel of a department or establishment may not log onto the information systems of the House without the authorization of the Speaker (or the Speaker’s designee); and

(B) personnel of a department or establishment may provide the House with access to
technological support services of the department
or establishment, including by authorizing per-
sonnel or systems of the House to connect with
and operate services or programs of the depart-
ment or establishment with guidance from sub-
ject matter experts of the department or estab-
ishment.

(c) Termination of Assistance.—

(1) Termination upon Notice from Speaker.—After initiating assistance under this section, the head of the department or establishment shall continue providing assistance until the Speaker (or Speaker’s designee) notifies the head of the depart-
ment or establishment that the cybersecurity inci-
dent has terminated and that it is no longer nec-
essary for the department or establishment to pro-
vide post-incident assistance.

(2) Removal of Technological Support Services.—Upon receiving notice from the Speaker under paragraph (1), the head of the department or establishment shall ensure that any technological support services or programs of the department or establishment are removed from the information sys-
tems of the House, and that personnel of the depart-
ment or establishment are no longer monitoring such 
systems.

(d) COMPLIANCE WITH EXISTING STANDARDS.—In 
providing assistance under this section, the head of the 
Executive department, military department, or inde-
pendent establishment shall meet the requirements of sec-
tion 113 of the Legislative Branch Appropriations Act, 
2017 (Public Law 115–31).

(e) NO EFFECT ON OTHER AUTHORITY TO PROVIDE 
SUPPORT.—Nothing in this section may be construed to 
affect the authority of an Executive department, military 
department, or independent establishment to provide any 
support, including cybersecurity support, to the House of 
Representatives under any other law, rule, or regulation.

(f) DEFINITIONS.—In this section, each of the terms 
“Executive department”, “military department”, and 
“independent establishment” has the meaning given such 
term in chapter 1 of title 5, United States Code.

SEC. 1091. TRANSFER OF SURPLUS FIREARMS TO COR-
PORATION FOR THE PROMOTION OF RIFLE 
PRACTICE AND FIREARMS SAFETY.

(a) TRANSFER REQUIREMENT.—

(1) IN GENERAL.—During fiscal years 2018 
and 2019, the Secretary of the Army shall transfer 
surplus caliber .45 M1911/M1911A1 pistols de-
scribed in paragraph (2) to the Corporation for the Promotion of Rifle Practice and Firearms Safety in accordance with this section.

(2) PISTOLS DESCRIBED.—The pistols described in this paragraph are surplus caliber .45 M1911/M1911A1 pistols and spare parts and related accessories for those pistols that, on the date of the enactment of this section, are under the control of the Secretary and are surplus to the requirements of the Department of the Army.

(3) NUMBER TO BE TRANSFERRED.—

(A) TOTAL NUMBER.—For any fiscal year, a total of not more than 10,000 surplus caliber .45 M1911/M1911A1 pistols may be transferred to the Corporation under this section and section 40728 of title 36, United States Code.

(B) FISCAL YEAR 2018.—For fiscal year 2018, not less than 8,000 surplus caliber .45 M1911/M1911A1 pistols shall be transferred to the Corporation pursuant to this section.

(4) TERMS OF TRANSFERS.—Subsections (b), (c), (d), (e), and (g) of section 40728 of title 36, United States Code, shall apply to a transfer under this section in the same manner such subsections
apply to transfers of firearms under such section 40728.

(5) Other requirements.—Except as provided in subsection (b)(1), subchapter II of chapter 407 of title 36, United States Code, shall apply with respect to firearms transferred under this section.

(b) Suspension of discretionary transfer authority.—

(1) In general.—During the period described in paragraph (2), the Secretary of the Army may only transfer surplus caliber .45 M1911/M1911A1 pistols to the Corporation under the authority of this section and may not transfer such pistols to such Corporation under section 40728 of title 36, United States Code.

(2) Period described.—The period described in this paragraph is the period beginning on the date of the enactment of this Act and ending on the earlier of the following dates:

(A) The date that is 60 days after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2020.

(B) June 1, 2020.

(c) Conforming repeal of pilot program for transfer of pistols.—Section 1087 of the National
Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1012) is amended by striking subsections (b) and (c).

(d) REPORTS ON TRANSFERS.—

(1) IN GENERAL.—For each fiscal year during which the Secretary transfers surplus caliber .45 M1911/M1911A1 pistols under subsection (a), the Secretary shall submit to Congress a report detailing the transfer and sale of such pistols during such fiscal year. A report under this paragraph for a fiscal year shall be submitted not later than 5 days after the budget of the President for the subsequent fiscal year is submitted to Congress under section 1105 of title 31, United States Code.

(2) CONTENTS OF REPORT.—Each report submitted under paragraph (1) shall include, for the fiscal year covered by the report—

(A) the number of surplus caliber .45 M1911/M1911A1 pistols transferred to the Corporation under subsection (a);

(B) the number of such pistols sold by the Corporation; and

(C) to the extent feasible based on the information available to the Secretary, information on any crimes committed using any such pisto...
pistols transferred to or sold by the Corporation.

(c) Evaluation of Corporation.—

(1) In general.—Not later than 30 days after the date of the enactment of this Act, the Secretary of the Army shall enter into an agreement with a Federally funded research and development center with relevant expertise to conduct an evaluation of the Corporation for the Promotion for Rifle Practice and Firearms Safety for the purpose of assessing future transfers of excess firearms to the Corporation.

(2) Elements.—The evaluation required under paragraph (1) shall include the following elements:

(A) An assessment of the effectiveness of the Civilian Marksmanship Program, including an examination of the functions and activities of the Program, as described in section 40722 of title 36, United States Code, that support the mission of the Program.

(B) A comparison the Civilian Marksmanship Program to similar organizations that offer instruction in marksmanship, firearm practice and safety, and opportunities for marksmanship competitions.
An evaluation of benefits the Army receives from the Civilian Marksmanship Program relative to the resources the Army provides to the Program.

An assessment of present and prospective funding models to support a transition to self-sustainment, including opportunities for non-Federal resources.

An assessment of the costs and profits associated with the transfer of excess firearms from the Army to the Civilian Marksmanship Program (including the costs associated with the storage, inspection, and, refurbishment of such firearms), which shall be determined with respect to surplus caliber .45 M1911/M1911A pistols using data from a minimum of 8,000 sales transactions.

Any other matters the Secretary determines appropriate.

Report to Congress.—The Secretary shall submit to the congressional defense committees a report on the results of the evaluation by not later than January 1, 2019, and shall provide interim briefings upon request.
(1) **Concurrent review of corporation.**—

(A) **In general.**—At the same time as

the Federally funded research and development

center conducts the evaluation under subsection

(d), the Comptroller General shall conduct a re-

view of the Corporation for the Promotion for

Rifle Practice and Firearms Safety.

(B) **Elements.**—The review required

under paragraph (1) shall include the following

elements:

(i) A review of whether the procedures

relating to sales of surplus caliber .45

M1911/M1911A pistols covered by the

evaluation were conducted in accordance

with applicable Federal laws.

(ii) A review of the business oper-

ations of the Civilian Marksmanship Pro-

gram in comparison to the business oper-

ations of other Federally chartered organi-

zations.

(iii) An evaluation of any authorities

or agreements governing the relationship

between the Army and the Program.

(iv) An assessment of the financial op-

erations of the Civilian Marksmanship Pro-
gram, including how the Program’s endowment is funded by the proceeds from sales of excess weapons transferred to the Program from the Army.

(v) An assessment of the costs and profits associated with the transfer of excess firearms from the Army to the Civilian Marksmanship Program, which shall be determined with respect to surplus caliber .45 M1911/M1911A1 pistols using data from a minimum of 8,000 sales transactions.

(vi) Any other matters the Comptroller General determines are relevant.

(C) REPORT TO CONGRESS.—The Comptroller General shall submit to the congressional defense committees a report on the review required by subparagraph (A) by not later than January 1, 2019.

(2) REVIEW OF FFRDC REPORT.—

(A) IN GENERAL.—The Comptroller General shall conduct a review of the report submitted under subsection (d)(3).

(B) BRIEFING.—Not later than 60 days after the Secretary of the Army submits the re-
port required under subsection (d)(3), the Comptroller General shall provide to the congressional defense committees a briefing on the preliminary results of the review required by paragraph (1).

(C) REPORT.—Not later than 120 days after the Secretary submits such report, the Comptroller General shall submit to the congressional defense committees a report containing the findings and recommendations of the Comptroller General pursuant to the review required by paragraph (1).

SEC. 1092. COLLABORATION BETWEEN FEDERAL AVIATION ADMINISTRATION AND DEPARTMENT OF DEFENSE ON UNMANNED AIRCRAFT SYSTEMS.

(a) COLLABORATION.—

(1) IN GENERAL.—The Administrator of the Federal Aviation Administration and the Secretary of Defense may collaborate on sense-and-avoid capabilities for unmanned aircraft systems.

(2) ELEMENTS.—The collaboration described in paragraph (1) may include, as appropriate, the following:
(A) Sharing information on safely integrating unmanned aircraft systems and manned aircraft in the national airspace system.

(B) The development of civil standards, policies, and procedures for the Federal Aviation Administration for integrating unmanned aircraft systems in the national airspace system by leveraging the historical and current testing, training, and operational experiences of the Department of Defense, particularly the Air Force, of unmanned flight operations.

(C) Informing stakeholders about—

(i) the development of airborne and ground-based sense-and-avoid capabilities for unmanned aircraft systems; and

(ii) research and development on unmanned aircraft systems, especially with respect to matters involving human factors, information assurance, and security.

(b) PARTICIPATION BY FAA IN DOD ACTIVITIES.—

(1) IN GENERAL.—The Administrator of the Federal Aviation Administration may participate, and provide assistance to the Secretary of Defense for activities during the test and evaluation efforts of the Department of Defense, including the Air
Force, relating to airborne and ground-based sense-and-avoid capabilities for unmanned aircraft systems.

(2) Participation through test sites.—Participation under paragraph (1) may include provision of assistance through Department of Defense unmanned aircraft systems test sites or a Federal Aviation Administration test range.

(e) Definitions.—In this section, the terms “unmanned aircraft system” and “test range” have the meaning given such terms in section 331 of the FAA Modernization and Reform Act of 2012 (Public Law 112–95; 49 U.S.C. 40101 note).

(d) Restoration of rules for registration and marking of unmanned aircraft.—The rules adopted by the Administrator of the Federal Aviation Administration in the matter of registration and marking requirements for small unmanned aircraft (FAA-2015-7396; published on December 16, 2015) that were vacated by the United States Court of Appeals for the District of Columbia Circuit in Taylor v. Huerta (No. 15-1495; decided on May 19, 2017) shall be restored to effect on the date of enactment of this Act.

SEC. 1093. CARRIAGE OF CERTAIN PROGRAMMING.

(a) Definitions.—In this section—
(1) the term “local commercial television station” has the meaning given the term in section 614(h) of the Communications Act of 1934 (47 U.S.C. 534(h));

(2) the term “multichannel video programming distributor” has the meaning given the term in section 602 of the Communications Act of 1934 (47 U.S.C. 522);

(3) the term “qualified noncommercial educational television station” has the meaning given the term in section 615(l) of the Communications Act of 1934 (47 U.S.C. 535(l));

(4) the term “retransmission consent” means the authority granted to a multichannel video programming distributor under section 325(b) of the Communications Act of 1934 (47 U.S.C. 325(b)) to retransmit the signal of a television broadcast station; and

(5) the term “television broadcast station” has the meaning given the term in section 76.66(a) of title 47, Code of Federal Regulations.

(b) CARRIAGE OF CERTAIN CONTENT.—Notwithstanding any other provision of law, a multichannel video programming distributor may not be directly or indirectly
required, including as a condition of obtaining retransmission consent, to—

(1) carry non-incidental video content from a local commercial television station, qualified non-commercial educational television station, or television broadcast station to the extent that such content is owned, controlled, or financed (in whole or in part) by the Government of the Russian Federation;
or

(2) lease, or otherwise make available, channel capacity to any person for the provision of video programming that is owned, controlled, or financed (in whole or in part) by the Government of the Russian Federation.

(c) Rule of Construction.—Nothing in this section may be construed as applying to the editorial use by a local commercial television station, qualified noncommercial educational television station, or television broadcast station of programming that is owned, controlled, or financed (in whole or in part) by the Government of the Russian Federation.

SEC. 1094. NATIONAL STRATEGY FOR COUNTERING VIOLENT EXTREMISM.

(a) Strategy Required.—
(1) IN GENERAL.—Not later than June 1, 2018, the President shall submit to the appropriate committees of Congress a report on a comprehensive, interagency national strategy for countering violent extremism.

(2) ELEMENTS.—The comprehensive, interagency national strategy required by paragraph (1) shall include the following elements:

(A) Identification of the interagency tools for combating and countering violent extremism, including—

(i) countering violent extremist messaging and ideological support;

(ii) combating violent extremist financing, intelligence gathering, and cooperation;

(iii) law enforcement activities, sanctions, counterterrorism, and counterintelligence activities;

(iv) support to civil-society groups, commercial entities, allies, and counter radicalization activities; and

(v) support by the Armed Forces of the United States to combat violent extremism.
(B) Use of, coordination with, or liaison to international partners, non-governmental organizations, or commercial entities that support United States policy goals in countering violent extremist ideologies and organizations.

(C) Synchronization processes for the use of interagency tools to combat violent extremism, including the roles and responsibilities of the Global Engagement Center, as well as the National Security Council in coordinating the interagency tools.

(D) Recommendations for improving coordination between Federal Government agencies, as well as with State, local, international, and non-governmental entities.

(E) Other matters as the President considers appropriate.

(b) ASSESSMENT.—Not later than one year after the date of the submission of the strategy required by subsection (a), the President shall submit to the appropriate committees of Congress an assessment of the strategy, including—

(1) the status of implementation of the strategy;
(2) progress toward the achievement of benchmarks or implementation of any recommendations; and

(3) any changes to the strategy since such submission.

(c) FORM.—The report and assessment required by this section shall each be submitted in unclassified form, but may include a classified annex.

(d) APPROPRIATE COMMITTEES OF CONGRESS.—In this section, the term “appropriate committees of Congress” means—

(1) the Committees on Foreign Relations, Armed Services, Appropriations, Homeland Security and Governmental Affairs, and the Judiciary and the Select Committee on Intelligence of the Senate; and

(2) the Committees on Foreign Affairs, Armed Services, Appropriations, Homeland Security, and the Judiciary and the Permanent Select Committee on Intelligence of the House of Representatives.

SEC. 1095. SENSE OF CONGRESS REGARDING WORLD WAR I.

(a) FINDINGS.—Congress makes the following findings:

(1) The United States declared war against Germany on April 6, 1917, to redress wrongs, in-
cluding Germany’s resumption of unrestricted submarine warfare, violation of United States neutrality, meddling in Mexican affairs, and denial of freedom of the seas to nonbelligerent nations.

(2) The United States associated itself with the allied powers of the United Kingdom and its Commonwealth, France and its colonies, Russia, Italy, and Japan to defeat the German Empire.

(3) The United States Army, consisting of the Regular Army, National Guard, and Reserve Corps, with the addition of volunteers and the draftees of the National Army, underwent a transformation from a frontier constabulary and coastal defense force to a modern land warfare force.

(4) Early 20th century military and technological advances resulted in the incorporation of motor transport, aviation, anti-aircraft artillery, tanks, chemical weapons, submarines and anti-submarine warfare, underwater mines, and other innovations into the military arsenal of the United States.

(5) The need to quickly build a military strength of four million soldiers and half a million sailors required the mobilization of the human resources of the United States, during which members
of diverse ethnic groups, races, and creeds, both native-born and immigrant, forged a new American identity.

(6) The United States Army maintained its defense of American seacoasts, southern border, and overseas possessions, while the Army American Expeditionary Forces arrived in Europe in June 1917 and deployed for combat operations in October.

(7) By the end of World War I, almost 2,000,000 members of the Army served overseas in the American Expeditionary Forces.

(8) During World War I, the United States Navy increased in strength from approximately 67,000 sailors and marines to approximately 500,000 sailors and marines by the war’s end, and the size of the Navy increased from around 200 ships at the outbreak of war in Europe in 1914, to 342 vessels by the time the United States entered the war, and 774 vessels by the day of the Armistice.

(9) The Navy operated in the Atlantic and Pacific Oceans, and the North and Mediterranean Seas in cooperation with allied navies.

(10) The Navy began the fight against the German U-boat menace by first dispatching 34 destroy-
ers stationed specifically for such purpose, which by
war’s end grew to 110 total destroyers

(11) Navy vessels escorted troop transports car-
rying 1,250,000 passengers and escorted supply
transports carrying 27 percent of all cargo shipped
to Europe.

(12) The Navy deployed five batteries of large-
caliber battleship guns mounted on railroad trains to
France for service as long-range artillery for the
Army.

(13) The United States Coast Guard trans-
ferred to the operational control of the Navy and
augmented that service with officers and sailors, ves-
sels of all types, and shore stations.

(14) The United States Marine Corps, with an
eventual wartime strength of 53,000 officers and
men, detached the 5th and 6th regiments and a ma-
chine gun battalion to constitute an infantry brigade
integrated into the Army’s 2d Division for service in
France.

(15) On July 4, 1917, Colonel Charles E. Stan-
ton, one of the officers on the staff of General John
Pershing, commander of the American Expedi-
tionary Forces in Europe, famously announced the
commitment of the United States to the fight when
Colonel Stanton proclaimed upon his arrival in France, “Lafayette, we are here!”.

(16) Whereas the American Expeditionary Forces formed three field armies, nine corps and 43 divisions, plus various units of the Services of Supply.

(17) The American Expeditionary Forces suffered 255,000 casualties and over 50,000 non-battle casualties while participating in 13 named campaigns in World War I.

(18) Participation in World War I resulted in the completion of a period of reform and professionalism that transformed the Armed Forces from a small dispersed organization to a modern industrialized fighting force capable of global reach and influence.

(b) SENSE OF CONGRESS.—Congress—

(1) honors the memory of the fallen heroes who wore the uniform of the United States Armed Forces during World War I;

(2) commends the United States Armed Forces for preserving and protecting the interests of the United States during World War I;

(3) commends the brave members of the United States Armed Forces for their courage while pre-
serving the founding principles of the United States
at home and abroad during World War I;

(4) commends the brave members of the United
States Armed Forces for preserving and protecting
the sea lanes of commerce and communications dur-
ing World War I that ensured the continued pros-
perity of the United States;

(5) celebrates and congratulates the United
States Army, Navy, Marine Corps, Air Force, and
Coast Guard during the commemoration of the cen-
tennial of World War I for a job well done; and

(6) calls on all people of the United States to
join in the commemoration of the centennial of
World War I in events throughout the United States
and overseas.

SEC. 1096. NOTICE TO CONGRESS OF TERMS OF DEPART-
MENT OF DEFENSE SETTLEMENT AGRE-
MENTS.

(a) REQUEST OF SETTLEMENT AGREEMENTS.—At
the request of the Chairman, in coordination with the
Ranking Member, of the Committee on Armed Services
of the Senate or the House of Representatives or the
Chairman, in coordination with the Ranking Member, of
the Committee on Appropriations of the Senate or the
House of Representatives, the Secretary of Defense shall
make available (in an appropriate manner with respect to
classified or other protected information) to the Chairman
and Ranking Member of the requesting committee a settle-
ment agreement (including a consent decree) in any civil
action in a court of competent jurisdiction involving the
Department of Defense, a military department, or a De-
fense Agency.

(b) PROVISION OF SETTLEMENT AGREEMENTS.—
The Secretary shall take all necessary steps to ensure the
settlement agreement is provided to the Chairman and
Ranking Member of the requesting committee, including
by making any necessary requests to a court with com-
petent jurisdiction over the settlement.

SEC. 1097. OFFICE OF SPECIAL COUNSEL REAUTHORIZA-
TION.

(a) ADEQUATE ACCESS OF SPECIAL COUNSEL TO IN-
FORMATION.—Section 1212(b) of title 5, United States
Code, is amended by adding at the end the following:

“(5)(A) Except as provided in subparagraph (B), the
Special Counsel, in carrying out this subchapter, is au-
thorized to—

“(i) have timely access to all records, data, re-
ports, audits, reviews, documents, papers, rec-
ommendations, or other material available to the ap-
applicable agency that relate to an investigation, review, or inquiry conducted under—

“(I) section 1213, 1214, 1215, or 1216 of this title; or

“(II) section 4324(a) of title 38;

“(ii) request from any agency the information or assistance that may be necessary for the Special Counsel to carry out the duties and responsibilities of the Special Counsel under this subchapter; and

“(iii) require, during an investigation, review, or inquiry of an agency, the agency to provide to the Special Counsel any record or other information that relates to an investigation, review, or inquiry conducted under—

“(I) section 1213, 1214, 1215, or 1216 of this title; or

“(II) section 4324(a) of title 38.

“(B)(i) The authorization of the Special Counsel under subparagraph (A) shall not apply with respect to any entity that is an element of the intelligence community, as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003), unless the Special Counsel is investigating, or otherwise carrying out activities relating to the enforcement of, an action under subchapter III of chapter 73.
“(ii) An Inspector General may withhold from the Special Counsel material described in subparagraph (A) if the Inspector General determines that the material contains information derived from, or pertaining to, intelligence activities.

“(iii) The Attorney General or an Inspector General may withhold from the Special Counsel material described in subparagraph (A) if—

“(I)(aa) disclosing the material could reasonably be expected to interfere with a criminal investigation or prosecution that is ongoing as of the date on which the Special Counsel submits a request for the material; or

“(bb) the material—

“(AA) may not be disclosed pursuant to a court order; or

“(BB) has been filed under seal under section 3730 of title 31; and

“(II) the Attorney General or the Inspector General, as applicable, submits to the Special Counsel a written report that describes—

“(aa) the material being withheld; and

“(bb) the reason that the material is being withheld.
“(C)(i) A claim of common law privilege by an agency, or an officer or employee of an agency, shall not prevent the Special Counsel from obtaining any material described in subparagraph (A)(i) with respect to the agency.

“(ii) The submission of material described in subparagraph (A)(i) by an agency to the Special Counsel may not be deemed to waive any assertion of privilege by the agency against a non-Federal entity or against an individual in any other proceeding.

“(iii) With respect to any record or other information made available to the Special Counsel by an agency under subparagraph (A), the Special Counsel may only disclose the record or information for a purpose that is in furtherance of any authority provided to the Special Counsel under this subchapter.

“(6) The Special Counsel shall submit to the Committee on Homeland Security and Governmental Affairs of the Senate, the Committee on Oversight and Government Reform of the House of Representatives, and each committee of Congress with jurisdiction over the applicable agency a report regarding any case of contumacy or failure to comply with a request submitted by the Special Counsel under paragraph (5)(A).”.

(b) INFORMATION ON WHISTLEBLOWER PROTECTIONS.—
(1) AGENCY RESPONSIBILITIES.—

(A) REPEAL.—Section 2307 of chapter 23 of title 5, United States Code, and the item related to such section in the table of sections for such chapter, is repealed.

(B) INFORMATION ON WHISTLEBLOWER PROTECTIONS.—Section 2302 of title 5, United States Code, is amended by—

(i) redesignating subsections (c), (d), and (e) as subsections (d), (e), and (f), respectively; and

(ii) by inserting after subsection (b) the following:

“(c)(1) In this subsection—

“(A) the term ‘new employee’ means an individual—

“(i) appointed to a position as an employee on or after the date of enactment of this subsection; and

“(ii) who has not previously served as an employee; and

“(B) the term ‘whistleblower protections’ means the protections against and remedies for a prohibited personnel practice described in paragraph (8) or
subparagraph (A)(i), (B), (C), or (D) of paragraph (9) of subsection (b).

“(2) The head of each agency shall be responsible for—

“(A) preventing prohibited personnel practices;

“(B) complying with and enforcing applicable civil service laws, rules, and regulations and other aspects of personnel management; and

“(C) ensuring, in consultation with the Special Counsel and the Inspector General of the agency, that employees of the agency are informed of the rights and remedies available to the employees under this chapter and chapter 12, including—

“(i) information with respect to whistleblower protections available to new employees during a probationary period;

“(ii) the role of the Office of Special Counsel and the Merit Systems Protection Board with respect to whistleblower protections; and

“(iii) the means by which, with respect to information that is otherwise required by law or Executive order to be kept classified in the interest of national defense or the conduct of foreign affairs, an employee may make a lawful disclosure of the information to—
“(I) the Special Counsel;

“(II) the Inspector General of an agency;

“(III) Congress; or

“(IV) another employee of the agency who is designated to receive such a disclosure.

“(3) The head of each agency shall ensure that the information described in paragraph (2) is provided to each new employee of the agency not later than 180 days after the date on which the new employee is appointed.

“(4) The head of each agency shall make available information regarding whistleblower protections applicable to employees of the agency on the public website of the agency and on any online portal that is made available only to employees of the agency, if such portal exists.

“(5) Any employee to whom the head of an agency delegates authority for any aspect of personnel management shall, within the limits of the scope of the delegation, be responsible for the activities described in paragraph (2).”.

(2) INFORMATION ON APPEAL RIGHTS.—

(A) IN GENERAL.—Any notice provided to an employee under section 7503(b)(1), section 7513(b)(1), or section 7543(b)(1) of title 5,
United States Code, shall include detailed information with respect to—

(i) the right of the employee to appeal an action brought under the applicable section;

(ii) the forums in which the employee may file an appeal described in clause (i); and

(iii) any limitations on the rights of the employee that would apply because of the forum in which the employee decides to file an appeal.

(B) Development of Information.—

The information described in subparagraph (A) shall be developed by the Director of the Office of Personnel Management, in consultation with the Special Counsel, the Merit Systems Protection Board, and the Equal Employment Opportunity Commission.

(3) Technical and Conforming Amendments.—

(A) Section 4505a(b)(2) of title 5, United States Code, is amended by striking “section 2302(c)” and inserting “section 2302(d)”. 

(B) Section 5755(b)(2) of title 5, United States Code, is amended by striking “section 2302(c)” and inserting “section 2302(d)”.

(C) Section 110(b)(2) of the Whistleblower Protection Enhancement Act of 2012 (5 U.S.C. 2302 note) is amended by striking “section 2302(e)(1) or (2)” and inserting “section 2302(f)(1) or (2)”.

(D) Section 1217(d)(3) of the Panama Canal Act of 1979 (22 U.S.C. 3657(d)(3)) is amended by striking “section 2302(e)” and inserting “section 2302(d)”.

(E) Section 1233(b) of the Panama Canal Act of 1979 (22 U.S.C. 3673(b)) is amended by striking “section 2302(e)” and inserting “section 2302(d)”.

(c) ADDITIONAL WHISTLEBLOWER PROVISIONS.—

(1) PROHIBITED PERSONNEL PRACTICES.—Section 2302 of title 5, United States Code, is amended—

(A) in subsection (b)(9)(C), by inserting “(or any other component responsible for internal investigation or review)” after “Inspector General”; and

(B) in subsection (f)—
(i) in paragraph (1)—

(I) in subparagraph (E), by striking “or” at the end;

(II) by redesignating subparagraph (F) as subparagraph (G); and

(III) by inserting after subparagraph (E) the following:

“(F) the disclosure was made before the date on which the individual was appointed or applied for appointment to a position; or”; and

(ii) by striking paragraph (2) and inserting the following:

“(2) If a disclosure is made during the normal course of duties of an employee, the principal job function of whom is to regularly investigate and disclose wrongdoing (referred to in this paragraph as the ‘disclosing employee’), the disclosure shall not be excluded from subsection (b)(8) if the disclosing employee demonstrates that an employee who has the authority to take, direct other individuals to take, recommend, or approve any personnel action with respect to the disclosing employee took, failed to take, or threatened to take or fail to take a personnel action with respect to the disclosing employee in re-
prisal for the disclosure made by the disclosing em-
ployee.”.

(2) EXPLANATIONS FOR FAILURE TO TAKE AC-
TION.—Section 1213 of title 5, United States Code,
is amended—

(A) in subsection (b), by striking “15
days” and inserting “45 days”; and

(B) in subsection (e)—

(i) in paragraph (1), by striking “Any
such report” and inserting “Any report re-
quired under subsection (c) or paragraph
(5) of this subsection”; 

(ii) by striking paragraph (2) and in-
serting the following:

“(2) Upon receipt of any report that the head
of an agency is required to submit under subsection
(c), the Special Counsel shall review the report and
determine whether—

“(A) the findings of the head of the agency
appear reasonable; and

“(B) if the Special Counsel requires the
head of the agency to submit a supplemental re-
port under paragraph (5), the reports sub-
mitted by the head of the agency collectively
contain the information required under subsection (d).”;

(iii) in paragraph (3), by striking “agency report received pursuant to subsection (c) of this section” and inserting “report submitted to the Special Counsel by the head of an agency under subsection (c) or paragraph (5) of this subsection”;

and

(iv) by adding at the end the following:

“(5) If, after conducting a review of a report under paragraph (2), the Special Counsel concludes that the Special Counsel requires additional information or documentation to determine whether the report submitted by the head of an agency is reasonable and sufficient, the Special Counsel may request that the head of the agency submit a supplemental report—

“(A) containing the additional information or documentation identified by the Special Counsel; and

“(B) that the head of the agency shall submit to the Special Counsel within a period of time specified by the Special Counsel.”.
(3) Transfer requests during stays.—

(A) Priority granted.—Section 1214(b)(1) of title 5, United States Code, is amended—

(i) by striking subparagraph (E); and

(ii) by adding at the end the following:

“(E) If the Board grants a stay under subparagraph (A), the head of the agency employing the employee who is the subject of the action shall give priority to a request for a transfer submitted by the employee.”.

(B) Probationary employees.—Section 1221 of title 5, United States Code, is amended—

(i) by striking subsection (k); and

(ii) by adding at the end the following:

“(k) If the Board grants a stay under subsection (c) and the employee who is the subject of the action is in probationary status, the head of the agency employing the employee shall give priority to a request for a transfer submitted by the employee.”.
(4) RETALIATORY INVESTIGATIONS.—Section 1214 of title 5, United States Code, is amended by adding at the end the following:

“(i) The Special Counsel may petition the Board to order corrective action, including fees, costs, or damages reasonably incurred by an employee due to an investigation of the employee by an agency, if the investigation by an agency was commenced, expanded, or extended in retaliation for a disclosure or protected activity described in section 2302(b)(8) or subparagraph (A)(i), (B), (C), or (D) of section 2302(b)(9), without regard to whether a personnel action, as defined in section 2302(a)(2)(A), is taken.”.

(d) PROTECTION OF WHISTLEBLOWERS AS CRITERIA IN PERFORMANCE APPRAISALS.—

(1) ESTABLISHMENT OF SYSTEMS.—Section 4302 of title 5, United States Code, is amended—

(A) by redesignating subsections (b) and (c) as subsections (c) and (d), respectively; and

(B) by inserting after subsection (a) the following:

“(b)(1) The head of each agency, in consultation with the Director of the Office of Personnel Management and the Special Counsel, shall develop criteria that—
“(A) the head of the agency shall use as a critical element for establishing the job requirements of a supervisory employee; and

“(B) promote the protection of whistleblowers.

“(2) The criteria required under paragraph (1) shall include—

“(A) principles for the protection of whistleblowers, such as the degree to which supervisory employees—

“(i) respond constructively when employees of the agency make disclosures described in subparagraph (A) or (B) of section 2302(b)(8);

“(ii) take responsible actions to resolve the disclosures described in clause (i); and

“(iii) foster an environment in which employees of the agency feel comfortable making disclosures described in clause (i) to supervisory employees or other appropriate authorities; and

“(B) for each supervisory employee—

“(i) whether the agency entered into an agreement with an individual who alleged that the supervisory employee committed a prohibited personnel practice; and

“(ii) if the agency entered into an agreement described in clause (i), the number of in-
stances in which the agency entered into such
an agreement with respect to the supervisory
employee.

“(3) In this subsection—

“(A) the term ‘agency’ means any entity the
employees of which are covered under paragraphs
(8) and (9) of section 2302(b), without regard to
whether any other provision of this section is appli-
cable to the entity;

“(B) the term ‘prohibited personnel practice’
has the meaning given the term in section
2302(a)(1);

“(C) the term ‘supervisory employee’ means an
employee who would be a supervisor, as defined in
section 7103(a), if the agency employing the em-
ployee was an agency for purposes of chapter 71;
and

“(D) the term ‘whistleblower’ means an em-
ployee who makes a disclosure described in section
2302(b)(8).”.

(2) CRITERIA FOR PERFORMANCE APPRAIS-
ALS.—Section 4313 of title 5, United States Code,
is amended—

(A) in paragraph (4), by striking “and” at
the end;
(B) in paragraph (5), by striking the pe-
period at the end and inserting “; and”; and

(C) by adding at the end the following:

“(6) protecting whistleblowers, as described in
section 4302(b)(2).”.

(3) Annual report to Congress on unac-
ceptable performance in whistleblower pro-
tection.—

(A) Definitions.—In this paragraph, the
terms “agency” and “whistleblower” have the
meanings given the terms in section 4302(b)(3)
of title 5, United States Code, as amended by
paragraph (1).

(B) Report.—Each agency shall annually
submit to the Committee on Homeland Security
and Governmental Affairs of the Senate, the
Committee on Oversight and Government Re-
form of the House of Representatives, and each
committee of Congress with jurisdiction over
the agency a report that details—

(i) the number of performance ap-
praisals, for the year covered by the report,
that determined that an employee of the
agency failed to meet the standards for
protecting whistleblowers that were estab-
lished under section 4302(b) of title 5, United States Code, as amended by paragraph (1);

(ii) the reasons for the determinations described in clause (i); and

(iii) each performance-based or corrective action taken by the agency in response to a determination under clause (i).

(4) TECHNICAL AND CONFORMING AMENDMENT.—Section 4301 of title 5, United States Code, is amended, in the matter preceding paragraph (1), by striking “For the purpose of” and inserting “Except as otherwise expressly provided, for the purpose of”.

e) DISCIPLINE OF SUPERVISORS BASED ON RETALIATION AGAINST WHISTLEBLOWERS.—

(1) IN GENERAL.—Subchapter II of chapter 75 of title 5, United States Code, is amended—

(A) by striking section 7515; and

(B) by adding at the end the following:

“§ 7515. Discipline of supervisors based on retaliation against whistleblowers

“(a) DEFINITIONS.—In this section—

“(1) the term ‘agency’—
“(A) has the meaning given the term in section 2302(a)(2)(C), without regard to whether any other provision of this chapter is applicable to the entity; and

“(B) does not include any entity that is an element of the intelligence community, as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003);

“(2) the term ‘prohibited personnel action’ means taking or failing to take an action in violation of paragraph (8), (9), or (14) of section 2302(b) against an employee of an agency; and

“(3) the term ‘supervisor’ means an employee who would be a supervisor, as defined in section 7103(a), if the entity employing the employee was an agency.

“(b) PROPOSED DISCIPLINARY ACTIONS.—

“(1) IN GENERAL.—Subject to section 1214(f), if the head of the agency in which a supervisor is employed, an administrative law judge, the Merit Systems Protection Board, the Special Counsel, a judge of the United States, or the Inspector General of the agency in which a supervisor is employed has determined that the supervisor committed a prohibited personnel action, the head of the agency in
which the supervisor is employed, consistent with the
procedures required under paragraph (2)—

“(A) for the first prohibited personnel ac-
tion committed by the supervisor—

“(i) shall propose suspending the su-
pervisor for a period that is not less than
3 days; and

“(ii) may propose an additional action
determined appropriate by the head of the
agency, including a reduction in grade or
pay; and

“(B) for the second prohibited personnel
action committed by the supervisor, shall pro-
pose removing the supervisor.

“(2) PROCEDURES.—

“(A) NOTICE.—A supervisor against whom
an action is proposed to be taken under para-
graph (1) is entitled to written notice that—

“(i) states the specific reasons for the
proposed action; and

“(ii) informs the supervisor about the
right of the supervisor to review the mate-
rial that is relied on to support the reasons
given in the notice for the proposed action.

“(B) ANSWER AND EVIDENCE.—
“(i) In general.—A supervisor who receives notice under subparagraph (A) may, not later than 14 days after the date on which the supervisor receives the notice, submit an answer and furnish evidence in support of that answer.

“(ii) No evidence furnished; insufficient evidence furnished.—If, after the end of the 14-day period described in clause (i), a supervisor does not furnish any evidence as described in that clause, or if the head of the agency in which the supervisor is employed determines that the evidence furnished by the supervisor is insufficient, the head of the agency shall carry out the action proposed under subparagraph (A) or (B) of paragraph (1), as applicable.

“(C) Scope of procedures.—An action carried out under this section—

“(i) except as provided in clause (ii), shall be subject to the same requirements and procedures, including those with respect to an appeal, as an action under section 7503, 7513, or 7543; and
“(ii) shall not be subject to—

“(I) paragraphs (1) and (2) of section 7503(b);

“(II) paragraphs (1) and (2) of subsection (b) and subsection (c) of section 7513; and

“(III) paragraphs (1) and (2) of subsection (b) and subsection (c) of section 7543.

“(3) NON-DELEGATION.—If the head of an agency is responsible for determining whether a supervisor has committed a prohibited personnel action for purposes of paragraph (1), the head of the agency may not delegate that responsibility.”.

(2) TECHNICAL AND CONFORMING AMENDMENT.—The table of sections for subchapter II of chapter 75 of title 5, United States Code, is amended—

(A) by striking any item relating to section 7515; and

(B) adding at the end the following:

“7515. Discipline of supervisors based on retaliation against whistleblowers.”.

(f) TERMINATION OF CERTAIN INVESTIGATIONS BY THE OFFICE OF SPECIAL COUNSEL.—Section 1214(a) of title 5, United States Code, is amended by adding at the end the following:
“(6)(A) Notwithstanding any other provision of this section, not later than 30 days after the date on which the Special Counsel receives an allegation of a prohibited personnel practice under paragraph (1), the Special Counsel may terminate an investigation of the allegation without further inquiry if the Special Counsel determines that—

“(i) the same allegation, based on the same set of facts and circumstances, had previously been—

“(I)(aa) made by the individual; and
“(bb) investigated by the Special Counsel; or

“(II) filed by the individual with the Merit Systems Protection Board;

“(ii) the Special Counsel does not have jurisdiction to investigate the allegation; or

“(iii) the individual knew or should have known of the alleged prohibited personnel practice on or before the date that is 3 years before the date on which the Special Counsel received the allegation.

“(B) Not later than 30 days after the date on which the Special Counsel terminates an investigation under subparagraph (A), the Special Counsel
shall provide a written notification to the individual
who submitted the allegation of a prohibited per-
sonnel practice that states the basis of the Special
Counsel for terminating the investigation.”.

(g) Allegations of Wrongdoing Within the
Office of Special Counsel.—Section 1212 of title 5,
United States Code, is amended by adding at the end the
following:

“(i) The Special Counsel shall enter into at least 1
agreement with the Inspector General of an agency under
which—

“(1) the Inspector General shall—

“(A) receive, review, and investigate allega-
tions of prohibited personnel practices or
wrongdoing filed by employees of the Office of
Special Counsel; and

“(B) develop a method for an employee of
the Office of Special Counsel to communicate
directly with the Inspector General; and

“(2) the Special Counsel—

“(A) may not require an employee of the
Office of Special Counsel to seek authorization
or approval before directly contacting the In-
spector General in accordance with the agree-
ment; and
“(B) may reimburse the Inspector General
for services provided under the agreement.”.

(h) REPORTING REQUIREMENTS.—

(1) ANNUAL REPORT.—Section 1218 of title 5,
United States Code, is amended to read as follows:

“§ 1218. Annual report

“The Special Counsel shall submit to Congress, on
an annual basis, a report regarding the activities of the
Special Counsel, which shall include, for the year pre-
ceeding the submission of the report—

“(1) the number, types, and disposition of alle-
gations of prohibited personnel practices filed with
the Special Counsel and the costs of resolving such
allegations;

“(2) the number of investigations conducted by
the Special Counsel;

“(3) the number of stays and disciplinary ac-
tions negotiated with agencies by the Special Coun-
sel;

“(4) the number of subpoenas issued by the
Special Counsel;

“(5) the number of instances in which the Spe-
cial Counsel reopened an investigation after the Spe-
cial Counsel had made an initial determination with
respect to the investigation;
“(6) the actions that resulted from reopening investigations, as described in paragraph (5);

“(7) the number of instances in which the Special Counsel did not make a determination before the end of the 240-day period described in section 1214(b)(2)(A)(i) regarding whether there were reasonable grounds to believe that a prohibited personnel practice had occurred, existed, or was to be taken;

“(8) a description of the recommendations and reports made by the Special Counsel to other agencies under this subchapter and the actions taken by the agencies as a result of the recommendations or reports;

“(9) the number of—

“(A) actions initiated before the Merit Systems Protection Board, including the number of corrective action petitions and disciplinary action complaints initiated; and

“(B) stays and extensions of stays obtained from the Merit Systems Protection Board;

“(10) the number of prohibited personnel practice complaints that resulted in a favorable action
for the complainant, other than a stay or an extension of a stay, organized by actions in—

“(A) complaints dealing with reprisals against whistleblowers; and

“(B) all other complaints;

“(11) the number of prohibited personnel practice complaints that were resolved by an agreement between an agency and an individual, organized by agency and agency components in—

“(A) complaints dealing with reprisals against whistleblowers; and

“(B) all other complaints;

“(12) the number of corrective actions that the Special Counsel required an agency to take after a finding by the Special Counsel of a prohibited personnel practice, as defined in section 2302(a)(1); and

“(13) the results for the Office of Special Counsel of any employee viewpoint survey conducted by the Office of Personnel Management or any other agency.”.

(2) PUBLIC INFORMATION.—Section 1219(a)(1) of title 5, United States Code, is amended to read as follows:
“(1) a list of any noncriminal matters referred
to the head of an agency under section 1213(e), to-
gether with—

“(A) a copy of the information transmitted
to the head of the agency under section
1213(c)(1);

“(B) any report from the agency under
section 1213(c)(1)(B) relating to the matter;

“(C) if appropriate, not otherwise prohib-
ited by law, and consented to by the complain-
ant, any comments from the complainant under
section 1213(e)(1) relating to the matter; and

“(D) the comments or recommendations of
the Special Counsel under paragraph (3) or (4)
of section 1213(e);”.

(3) NOTICE OF COMPLAINT SETTLEMENTS.—
Section 1217 of title 5, United States Code, is
amended—

(A) by striking “The Special Counsel” and
inserting the following:

“(a) IN GENERAL.—The Special Counsel”; and

(B) by adding at the end the following:

“(b) ADDITIONAL REPORT REQUIRED.—

“(1) IN GENERAL.—If an allegation submitted
to the Special Counsel is resolved by an agreement
between an agency and an individual, the Special
Counsel shall submit to Congress and each congressional committee with jurisdiction over the agency a report regarding the agreement.

“(2) CONTENTS.—Any report required under paragraph (1) shall identify, with respect to an agreement described in that paragraph—

“(A) the agency that entered into the agreement;

“(B) the position and employment location of the employee who submitted the allegation that formed the basis of the agreement, provided the information is not so specific as to be reasonably likely to identify the employee;

“(C) the position and employment location of any employee alleged by an employee described in subparagraph (B) to have committed a prohibited personnel practice, as defined in section 2302(a)(1);

“(D) a description of the allegation described in subparagraph (B); and

“(E) whether the agency that entered into the agreement has agreed to pursue any disciplinary action as a result of the allegation described in subparagraph (B).”.
(i) **Establishment of Survey Pilot Program.**

(1) **In general.**—The Office of Special Counsel shall design and establish a pilot program under which the Office shall conduct, during the first full fiscal year after the date of enactment of this Act, a survey of individuals who have filed a complaint or disclosure with the Office.

(2) **Purpose.**—The survey under paragraph (1) shall be designed for the purpose of collecting information and improving service at various stages of a review or investigation by the Office of Special Counsel.

(3) **Results.**—The results of the survey under paragraph (1) shall be published in the annual report of the Office of Special Counsel.

(4) **Suspension of other surveys.**—During the period beginning on October 1, 2017, and ending on September 30, 2018, section 13 of the Act entitled “An Act to reauthorize the Office of Special Counsel, and for other purposes”, approved October 29, 1994 (5 U.S.C. 1212 note), shall have no force or effect.

(j) **Stays of the Merit Systems Protection Board.**—Section 1214(b)(1)(B)(ii) of title 5, United
States Code, is amended by striking “who was appointed, by and with the advice and consent of the Senate,”.

(k) Penalties Under the Hatch Act.—

(1) In general.—Section 7326 of title 5, United States Code, is amended to read as follows:

“§ 7326. Penalties

“An employee or individual who violates section 7323 or 7324 shall be subject to—

“(1) disciplinary action consisting of removal, reduction in grade, debarment from Federal employment for a period not to exceed 5 years, suspension, or reprimand;

“(2) an assessment of a civil penalty not to exceed $1,000; or

“(3) any combination of the penalties described in paragraph (1) or (2).”.

(2) Application.—The amendment made by paragraph (1) shall apply to any violation of section 7323 or 7324 of title 5, United States Code, occurring after the date of enactment of this Act.

(l) Amendments to Dr. Chris Kirkpatrick Whistleblower Protection Act.—Section 105 of the Dr. Chris Kirkpatrick Whistleblower Protection Act of 2017 is amended—
(1) in subsection (a) by inserting “credible” before “information indicating”; and

(2) by adding at the end the following:

“(c) PERMISSION OF NEXT OF KIN.—The head of the agency shall only make a referral under subsection (a) regarding an employee after receiving written permission from the next of kin, as such term is defined in section 6381 of title 5, United States Code, of the employee.”.

(m) REGULATIONS.—

(1) IN GENERAL.—Not later than 2 years after the date of enactment of this Act, the Special Counsel shall prescribe such regulations as may be necessary to perform—

(A) the functions of the Special Counsel under subchapter II of chapter 12 of title 5, United States Code, including regulations that are necessary to carry out sections 1213, 1214, and 1215 of that title; and

(B) any functions of the Special Counsel that are required because of the amendments made by this section.

(2) PUBLICATION.—Any regulations prescribed under paragraph (1) shall be published in the Federal Register.

(n) AUTHORIZATION OF APPROPRIATIONS.—

(2) EFFECTIVE DATE.—The amendment made by paragraph (1) shall take effect as though enacted on September 30, 2017.

SEC. 1098. AIR TRANSPORTATION OF CIVILIAN DEPARTMENT OF DEFENSE PERSONNEL TO AND FROM AFGHANISTAN.

(a) POLICY REVIEW.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall conduct a policy review regarding the use of commercial air transportation or alternative forms of air transportation to transport civilian personnel of the Department of Defense to and from Afghanistan.

(b) REPORT TO CONGRESS.—Not later than 90 days after the completion of the policy review required by subsection (a), the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the results of such review.

(e) UPDATED GUIDELINES.—Not later than 90 days after the completion of the policy review required by subsection (a), the Secretary shall issue updated guidelines,
based on the report submitted under subsection (b), regard-
ing the use of commercial air transportation or alter-
native forms of air transportation to transport civilian per-
sonnel of the Department to and from Afghanistan.

**TITLE XI—CIVILIAN PERSONNEL MATTERS**

Sec. 1101. Direct hire authority for the Department of Defense for personnel to assist in business transformation and management innovation.

Sec. 1102. Extension of direct hire authority for Domestic Defense Industrial Base Facilities and Major Range and Test Facilities Base.

Sec. 1103. Extension of authority to provide voluntary separation incentive pay for civilian employees of the Department of Defense.

Sec. 1104. Additional Department of Defense science and technology reinvention laboratories.

Sec. 1105. One year extension of authority to waive annual limitation on premium pay and aggregate limitation on pay for Federal civilian employees working overseas.

Sec. 1106. Direct hire authority for financial management experts in the Department of Defense workforce.

Sec. 1107. Extension of authority for temporary personnel flexibilities for Domestic Defense Industrial Base Facilities and Major Range and Test Facilities Base civilian personnel.

Sec. 1108. One-year extension of temporary authority to grant allowances, benefits, and gratuities to civilian personnel on official duty in a combat zone.

Sec. 1109. Extension of overtime rate authority for Department of the Navy employees performing work aboard or dockside in support of the nuclear-powered aircraft carrier forward deployed in Japan.

Sec. 1110. Pilot program on enhanced personnel management system for cybersecurity and legal professionals in the Department of Defense.

Sec. 1111. Establishment of senior scientific technical managers at Major Range and Test Facility Base Facilities and Defense Test Resource Management Center.

**SEC. 1101. DIRECT HIRE AUTHORITY FOR THE DEPART-
MENT OF DEFENSE FOR PERSONNEL TO AS-
SIST IN BUSINESS TRANSFORMATION AND MANAG-
EMENT INNOVATION.**

(a) Authority.—The Secretary of Defense may ap-
point in the Department of Defense individuals described
in subsection (b) without regard to the provisions of sub-
chapter I of chapter 33 of title 5, United States Code,
for the purpose of assisting and facilitating the efforts of
the Department in business transformation and manage-
ment innovation.

(b) COVERED INDIVIDUALS.—The individuals de-
scribed in this subsection are individuals who have all of
the following:

(1) A management or business background.

(2) Experience working with large or complex
organizations.

(3) Expertise in management and organiza-
tional change, data analytics, or business process de-
sign.

(c) LIMITATION ON NUMBER.—The number of indi-
viduals appointed pursuant to this section at any one time
may not exceed 10 individuals.

(d) NATURE OF APPOINTMENT.—Any appointment
under this section shall be on a term basis, and shall be
subject to the term appointment regulations in part 316
of title 5, Code of Federal Regulations (other than require-
ments in such regulations relating to competitive hiring).
The term of any such appointment shall be specified by
the Secretary at the time of the appointment.

(e) BRIEFINGS.—
(1) IN GENERAL.—Not later than September 30, 2019, and September 30, 2021, the Secretary shall brief the appropriate committees of Congress on the exercise of the authority in this section.

(2) ELEMENTS.—Each briefing under this subsection shall include the following:

   (A) A description and assessment of the results of the use of such authority as of the date of such briefing.

   (B) Such recommendations as the Secretary considers appropriate for extension or modification of such authority.

(3) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this subsection, the term “appropriate committees of Congress” means—

   (A) the Committee on Armed Services and the Committee on Homeland Security and Governmental Affairs of the Senate; and

   (B) the Committee on Armed Services and the Committee on Government Oversight and Reform of the House of Representatives.

(f) SUNSET.—

   (1) IN GENERAL.—The authority to appoint individuals in this section shall expire on September 30, 2021.
(2) Construction with existing appointments.—The expiration in paragraph (1) of the authority in this section shall not be construed to terminate any appointment made under this section before the date of expiration that continues according to its term as of the date of expiration.

SEC. 1102. EXTENSION OF DIRECT HIRE AUTHORITY FOR DOMESTIC DEFENSE INDUSTRIAL BASE FACILITIES AND MAJOR RANGE AND TEST FACILITIES BASE.

(a) In general.—Subsection (a) of section 1125 of subtitle B of title XI of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended by striking “During fiscal years 2017 and 2018,” and inserting “During each of fiscal years 2017 through 2021,”.

(b) Briefing.—Not later than 90 days after the end of each of fiscal years 2019 and 2021, the Secretary of Defense shall provide a briefing to the Committee on Armed Services of the House of Representatives, the Committee on Armed Services of the Senate, the Committee on Oversight and Government Reform of the House of Representatives, and the Committee on Homeland Security and Governmental Affairs of the Senate including—
(1) a description of the effect of such section 1125 (as amended by subsection (a)) on the man-
agement of the Department of Defense civilian work-
force during the most recently ended fiscal year; and

(2) the number of employees—

(A) hired under such section during such
fiscal year; and

(B) expected to be hired under such sec-
tion during the fiscal year in which the briefing
is provided.

SEC. 1103. EXTENSION OF AUTHORITY TO PROVIDE VOL-
UNTARY SEPARATION INCENTIVE PAY FOR
CIVILIAN EMPLOYEES OF THE DEPARTMENT
OF DEFENSE.

(a) IN GENERAL.—Section 1107 of subtitle A of title
XI of the National Defense Authorization Act for Fiscal
Year 2017 (Public Law 114–328) is amended by striking
“September 30, 2018” and inserting “September 30,
2021”.

(b) BRIEFING.—Not later than December 31, 2019,
and December 31, 2021, the Secretary of Defense shall
provide a briefing to the Committee on Armed Services
of the House of Representatives, the Committee on Armed
Services of the Senate, the Committee on Oversight and
Government Reform of the House of Representatives, and
the Committee on Homeland Security and Governmental Affairs of the Senate including—

(1) a description of the effect of such section 1107 (as amended by subsection (a)) on the management of the Department of Defense civilian workforce during the most recently ended fiscal year;

(2) the number of employees offered voluntary separation incentive payments during such fiscal year by operation of such section; and

(3) the number of such employees that accepted such payments.

SEC. 1104. ADDITIONAL DEPARTMENT OF DEFENSE SCIENCE AND TECHNOLOGY REINVENTION LABORATORIES.

Section 1105(a) of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2487; 10 U.S.C. 2358 note) is amended by adding at the end the following:

“(20) The Naval Medical Research Center.

“(21) The Joint Warfighting Analysis Center.

“(22) The Naval Facilities Engineering and Expeditionary Warfare Center.”.
SEC. 1105. ONE YEAR EXTENSION OF AUTHORITY TO WAIVE
ANNUAL LIMITATION ON PREMIUM PAY AND
AGGREGATE LIMITATION ON PAY FOR FEDERAL CIVILIAN EMPLOYEES WORKING OVERSEAS.


SEC. 1106. DIRECT HIRE AUTHORITY FOR FINANCIAL MANAGEMENT EXPERTS IN THE DEPARTMENT OF DEFENSE WORKFORCE.

(a) IN GENERAL.—Section 1110 of the National Defense Authorization Act for 2017 (Public Law 114–328; 130 Stat. 2450; 10 U.S.C. 1580 note prec.) is amended—

(1) in subsection (a), by striking “the Defense Agencies or the applicable military Department” and inserting “a Department of Defense component”; 

(2) in subsection (b)(1), by striking “the Defense Agencies” and inserting “each Department of Defense component listed in subsection (f) other than the Department of the Army, the Department of the Navy, and the Department of the Air Force”;
(3) in subsection (d)—

(A) by striking “any Defense Agency or military department” and inserting “any Department of Defense component”; and

(B) by striking “such Defense Agency or military department” and inserting “such Department of Defense component”; and

(4) by striking subsection (f) and inserting the following new subsection (f):

“(f) DEPARTMENT OF DEFENSE COMPONENT DEFINED.—In this section, the term ‘Department of Defense component’ means the following:

“(1) A Defense Agency.

“(2) The Office of the Chairman of the Joint Chiefs of Staff.

“(3) The Joint Staff.

“(4) A combatant command.


“(6) A Field Activity of the Department of Defense.

“(7) The Department of the Army.

“(8) The Department of the Navy.

“(9) The Department of the Air Force.”.
(b) BRIEFING.—Not later than 90 days after the end of each of fiscal years 2019 and 2021, the Secretary of Defense shall provide a briefing to the Committee on Armed Services of the House of Representatives, the Committee on Armed Services of the Senate, the Committee on Oversight and Government Reform of the House of Representatives, and the Committee on Homeland Security and Governmental Affairs of the Senate including—

(1) a description of the effect of section 1110 of subtitle A of title XI of the National Defense Authorization Act, 2017 (Public Law 114–328), as amended by subsection (a), on the management of the Department of Defense civilian workforce during the most recently ended fiscal year; and

(2) the number of employees—

(A) hired under such section during such fiscal year; and

(B) expected to be hired under such section during the fiscal year in which the briefing is provided.
SEC. 1107. EXTENSION OF AUTHORITY FOR TEMPORARY
PERSONNEL FLEXIBILITIES FOR DOMESTIC
DEFENSE INDUSTRIAL BASE FACILITIES AND
MAJOR RANGE AND TEST FACILITIES BASE
CIVILIAN PERSONNEL.

(a) IN GENERAL.—Subsection (a) of section 1132 of
the National Defense Authorization Act for Fiscal Year
2017 (Public Law 114–328; 130 Stat. 2457) is amended
by striking “and 2018” and inserting “through 2021”.

(b) BRIEFING.—Not later than 90 days after the end
of each of fiscal years 2019 and 2021, the Secretary of
Defense shall provide a briefing to the Committee on
Armed Services of the House of Representatives, the Com-
mittee on Armed Services of the Senate, the Committee
on Oversight and Government Reform of the House of
Representatives, and the Committee on Homeland Secu-

rity and Governmental Affairs of the Senate including—

(1) a description of the effect of such section
1132 (as amended by subsection (a)) on the man-
agement of civilian personnel at domestic defense in-
dustrial base facilities and Major Range and Test
Facilities Base during the most recently ended fiscal
year; and

(2) the number of employees—

(A) hired under such section during such
fiscal year; and
(B) expected to be hired under such section during the fiscal year in which the briefing is provided.

SEC. 1108. ONE-YEAR EXTENSION OF TEMPORARY AUTHORITY TO GRANT ALLOWANCES, BENEFITS, AND GRATUITIES TO CIVILIAN PERSONNEL ON OFFICIAL DUTY IN A COMBAT ZONE.


November 7, 2017 (7:01 p.m.)
SEC. 1109. EXTENSION OF OVERTIME RATE AUTHORITY
FOR DEPARTMENT OF THE NAVY EMPLOYEES
PERFORMING WORK ABOARD OR DOCKSIDE
IN SUPPORT OF THE NUCLEAR-POWERED
AIRCRAFT CARRIER FORWARD DEPLOYED IN
JAPAN.

Section 5542(a)(6)(B) of title 5, United States Code,
is amended by striking “September 30, 2018” and insert-
ing “September 30, 2019”.

SEC. 1110. PILOT PROGRAM ON ENHANCED PERSONNEL
MANAGEMENT SYSTEM FOR
CYBERSECURITY AND LEGAL PROFESSIONALS IN THE DEPARTMENT OF DEFENSE.

(a) Pilot Program Required.—The Secretary of
Defense shall carry out within the Department of Defense
a pilot program to assess the feasibility and advisability
of an enhanced personnel management system in accord-
ance with this section for cybersecurity and legal profes-
sionals in the Department described in subsection (b) who
enter civilian service with the Department on or after Jan-
uary 1, 2020.

(b) Cybersecurity and Legal Professionals.—
(1) In General.—The cybersecurity and legal
professionals described in this subsection are the fol-
lowing:
(A) Civilian cybersecurity professionals in the Department of Defense consisting of civilian personnel engaged in or directly supporting planning, commanding and controlling, training, developing, acquiring, modifying, and operating systems and capabilities, and military units and intelligence organizations (other than those funded by the National Intelligence Program) that are directly engaged in or used for offensive and defensive cyber and information warfare or intelligence activities in support thereof.

(B) Civilian legal professionals in the Department occupying legal or similar positions, as determined by the Secretary of Defense for purposes of the pilot program, that require eligibility to practice law in a State or territory of the United States.

(2) Inapplicability to SES positions.—The pilot program shall not apply to positions within the Senior Executive Service under subchapter VIII of chapter 53 of title 5, United States Code.

(c) Direct-appointment authority.—

(1) Inapplicability of general civil service appointment authorities to appointments.—Under the pilot program, the Secretary of
Defense, with respect to the Defense Agencies, and
the Secretary of the military department concerned,
with respect to the military departments, may ap-
point qualified candidates as cybersecurity and legal
professionals without regard to the provisions of
subchapter I of chapter 33 of title 5, United States
Code.

(2) APPOINTMENT ON DIRECT-HIRE BASIS.—
Appointments under the pilot program shall be made
on a direct-hire basis.

(d) TERM APPOINTMENTS.—

(1) RENEWABLE TERM APPOINTMENTS.—Each
individual shall serve with the Department of De-
fense as a cybersecurity or legal professional under
the pilot program pursuant to an initial appointment
to service with the Department for a term of not less
than 2 years nor more than 8 years. Any term of
appointment under the pilot program may be re-
newed for one or more additional terms of not less
than 2 years nor more than 8 years as provided in
subsection (h).

(2) LENGTH OF TERMS.—The length of the
term of appointment to a position under the pilot
program shall be prescribed by the Secretary of De-
fense taking into account the national security, mis-
sion, and other applicable requirements of the position. Positions having identical or similar requirements or terms may be grouped into categories for purposes of the pilot program. The Secretary may delegate any authority in this paragraph to a commissioned officer of the Armed Forces in pay grade O–7 or above or an employee in the Department in the Senior Executive Service.

(e) Nature of Service Under Appointments.—

(1) Treatment of Personnel Appointed as Employees.—Except as otherwise provided by this section, individuals serving with the Department of Defense as cybersecurity or legal professionals under the pilot program pursuant to appointments under this section shall be considered employees (as specified in section 2105 of title 5, United States Code) for purposes of the provisions of title 5, United States Code, and other applicable provisions of law, including, in particular, for purposes as follows:

(A) Eligibility for participation in the Federal Employees’ Retirement System under chapter 84 of title 5, United States Code, subject to the provisions of section 8402 of such title and the regulations prescribed pursuant to such section.
(B) Eligibility for enrollment in a health benefits plan under chapter 89 of title 5, United States Code (commonly referred as the “Federal Employees Health Benefits Program”).

(C) Eligibility for and subject to the employment protections of subpart F of part III of title 5, United States Code, relating to merit principles and protections.

(D) Eligibility for the protections of chapter 81, of title 5, United States Code, relating to workers compensation.

(2) Scope of rights and benefits.—In administering the pilot program, the Secretary of Defense shall specify, and from time to time update, a comprehensive description of the rights and benefits of individuals serving with the Department under the pilot program pursuant to this subsection and of the provisions of law under which such rights and benefits arise.

(f) Compensation.—

(1) Basic pay.—Individuals serving with the Department of Defense as cybersecurity or legal professionals under the pilot program shall be paid basic pay for such service in accordance with a
schedule of pay prescribed by the Secretary of De-
fense for purposes of the pilot program.

(2) TREATMENT AS BASIC PAY.—Basic pay
payable under the pilot program shall be treated for
all purposes as basic pay paid under the provisions
of title 5, United States Code.

(3) PERFORMANCE AWARDS.—Individuals serv-
ing with the Department as cybersecurity or legal
professionals under the pilot program may be award-
ed such performance awards for outstanding per-
formance as the Secretary shall prescribe for pur-
poses of the pilot program. The performance awards
may include a monetary bonus, time off with pay, or
such other awards as the Secretary considers appro-
priate for purposes of the pilot program. The award
of performance awards under the pilot program shall
be based in accordance with such policies and re-
quirements as the Secretary shall prescribe for pur-
poses of the pilot program.

(4) ADDITIONAL COMPENSATION.—Individuals
serving with the Department as cybersecurity or
legal professionals under the pilot program may be
awarded such additional compensation above basic
pay as the Secretary (or the designees of the Sec-
retary) consider appropriate in order to promote the
recruitment and retention of highly skilled and pro-
ductive cybersecurity and legal professionals to and
with the Department.

(g) PROBATIONARY PERIOD.—The following terms of
appointment shall be treated as a probationary period
under the pilot program:

(1) The first term of appointment of an indi-
vidual to service with the Department of Defense as
a cybersecurity or legal professional, regardless of
length.

(2) The first term of appointment of an indi-
vidual to a supervisory position in the Department
as a cybersecurity or legal professional, regardless of
length and regardless of whether or not such term
of appointment to a supervisory position is the first
term of appointment of the individual concerned to
service with the Department as a cybersecurity or
legal professional.

(h) RENEWAL OF APPOINTMENTS.—

(1) IN GENERAL.—The Secretary of Defense
shall prescribe the conditions for the renewal of ap-
pointments under the pilot program. The conditions
may apply to one or more categories of positions, po-
sitions on a case-by-case basis, or both.
PARTICULAR CONDITIONS.—In prescribing conditions for the renewal of appointments under the pilot program, the Secretary shall take into account the following (in the order specified):

(A) The necessity for the continuation of the position concerned based on mission requirements and other applicable justifications for the position.

(B) The service performance of the individual serving in the position concerned, with individuals with satisfactory or better performance afforded preference in renewal.

(C) Input from employees on conditions for renewal.

(D) Applicable private and public sector labor market conditions.

SERVICE PERFORMANCE.—The assessment of the service performance of an individual under the pilot program for purposes of paragraph (2)(B) shall consist of an assessment of the ability of the individual to effectively accomplish mission goals for the position concerned as determined by the supervisor or manager of the individual based on the individual’s performance evaluations and the knowledge of and review by such supervisor or manager (devel-
oped in consultation with the individual) of the indi-
individual’s performance in the position. An individual’s
tenure of service in a position or the Department of
Defense may not be the primary element of the as-
essment.

(i) PROFESSIONAL DEVELOPMENT.—The pilot pro-
gram shall provide for the professional development of in-
dividuals serving with the Department of Defense as cy-
bersecurity and legal professionals under the pilot pro-
gram in a manner that—

(1) creates opportunities for education, train-
ing, and career-broadening experiences, and for ex-
perimental opportunities in other organizations within-
and outside the Federal Government; and

(2) reflects the differentiated needs of personnel
at different stages of their careers.

(j) Sabbaticals.—

(1) IN GENERAL.—The pilot program shall pro-
vide for an individual who is in a successive term
after the first 8 years with the Department of De-
fense as a cybersecurity or legal professional under
the pilot program to take, at the election of the indi-
vidual, a paid or unpaid sabbatical from service with
the Department for professional development or edu-
cation purposes. The length of a sabbatical shall be
any length not less than 6 months nor more than 1 year (unless a different period is approved by the Secretary of the military department or head of the organization or element of the Department concerned for purposes of this subsection). The purpose of any sabbatical shall be subject to advance approval by the organization or element in the Department in which the individual is currently performing service. The taking of a sabbatical shall be contingent on the written agreement of the individual concerned to serve with the Department for an appropriate length of time at the conclusion of the term of appointment in which the sabbatical commences, with the period of such service to be in addition to the period of such term of appointment.

(2) NUMBER OF SABBATICALS.—An individual may take more than one sabbatical under this subsection.

(3) REPAYMENT.—Except as provided in paragraph (4), an individual who fails to satisfy a written agreement executed under paragraph (1) with respect to a sabbatical shall repay the Department an amount equal to any pay, allowances, and other benefits received by the individual from the Department during the period of the sabbatical.
(4) Waiver of Repayment.—An agreement under paragraph (1) may include such conditions for the waiver of repayment otherwise required under paragraph (3) for failure to satisfy such agreement as the Secretary specifies in such agreement.

(k) Regulations.—The Secretary of Defense shall administer the pilot program under regulations prescribed by the Secretary for purposes of the pilot program.

(l) Termination.—

(1) In General.—The authority of the Secretary of Defense to appoint individuals for service with the Department of Defense as cybersecurity or legal professionals under the pilot program shall expire on December 31, 2029.

(2) Effect on Existing Appointments.—

The termination of authority in paragraph (1) shall not be construed to terminate or otherwise affect any appointment made under this section before December 31, 2029, that remains valid as of that date.

(m) Implementation.—

(1) Interim Final Rule.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall prescribe an interim final rule to implement the pilot program.
(2) Final rule.—Not later than 180 days after prescribing the interim final rule under paragraph (1) and considering public comments with respect to such interim final rule, the Secretary shall prescribe a final rule to implement the pilot program.

(3) Objectives.—The regulations prescribed under paragraphs (1) and (2) shall accomplish the objectives set forth in subsections (a) through (j) and otherwise ensure flexibility and expedited appointment of cybersecurity and legal professionals in the Department of Defense under the pilot program.

(n) Reports.—

(1) Reports required.—Not later than January 30 of each of 2022, 2025, and 2028, the Secretary of Defense shall submit to the appropriate committees of Congress a report on the carrying out of the pilot program. Each report shall include the following:

(A) A description and assessment of the carrying out of the pilot program during the period since the commencement of the pilot program or the previous submittal of a report under this subsection, as applicable.
(B) A description and assessment of the successes in and impediments to carrying out the pilot program system during such period.

(C) Such recommendations as the Secretary considers appropriate for legislative action to improve the pilot program and to otherwise improve civilian personnel management of cybersecurity and legal professionals by the Department of Defense.

(D) In the case of the report submitted in 2028, an assessment and recommendations by the Secretary on whether to make the pilot program permanent.

(2) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this subsection, the term “appropriate committees of Congress” means—

(A) the Committee on Armed Services and the Committee on Homeland Security and Governmental Affairs of the Senate; and

(B) the Committee on Armed Services and the Committee on Oversight and Government Reform of the House of Representatives.
SEC. 1111. ESTABLISHMENT OF SENIOR SCIENTIFIC TECHNICAL MANAGERS AT MAJOR RANGE AND TEST FACILITY BASE FACILITIES AND DEFENSE TEST RESOURCE MANAGEMENT CENTER.

Section 2358a of title 10, United States Code, is amended—

(1) in subsection (d)—

(A) in paragraph (1)—

(i) in the matter preceding subparagraph (A), by inserting “, each facility of the Major Range and Test Facility Base, and the Defense Test Resource Management Center” after “each STRL”; and

(ii) in subparagraph (A), by inserting “, of such facility of the Major Range and Test Facility Base, or the Defense Test Resource Management Center”; and

(B) in paragraph (2)—

(i) by striking “The positions” and inserting “(A) The laboratory positions”; and

(ii) by adding at the end the following new subparagraph:

“(B) The test and evaluation positions described in paragraph (1) may be filled, and
shall be managed, by the director of the Major Range and Test Facility Base, in the case of a position at a facility of the Major Range and Test Facility Base, and the director of the Defense Test Resource Management Center, in the case of a position at such center, under criteria established pursuant to section 342(b) of the National Defense Authorization Act for Fiscal Year 1995 (Public Law 103–337; 10 U.S.C. 2358 note), relating to personnel demonstration projects at laboratories of the Department of Defense, except that the director involved shall determine the number of such positions at each facility of the Major Range and Test Facility Base and the Defense Test Resource Management Center, not to exceed two percent of the number of scientists and engineers, but at least one position, employed at the Major Range and Test Facility Base or the Defense Test Resource Management Center, as the case may be, as of the close of the last fiscal year before the fiscal year in which any appointments subject to those numerical limitations are made.”; and (2) in subsection (f)—
(A) by redesignating paragraphs (1) and
(2) as paragraphs (2) and (4), respectively;

(B) by inserting before paragraph (2), as
redesignated by subparagraph (A), the following
new paragraph (1):

“(1) The term ‘Defense Test Resource Manage-
ment Center’ means the Department of Defense
Test Resource Management Center established
under section 196 of this title.”; and

(C) by inserting after paragraph (2), as so
redesignated, the following new paragraph:

“(3) The term ‘Major Range and Test Facility
Base’ means the test and evaluation facilities and
resources that are designated by the Secretary of
Defense as facilities and resources comprising the
Major Range and Test Facility Base.”.

TITLE XII—MATTERS RELATING
TO FOREIGN NATIONS

Subtitle A—Assistance and Training

Sec. 1201. One-year extension of logistical support for coalition forces sup-
porting certain United States military operations.
Sec. 1202. Support of special operations for irregular warfare.
Sec. 1203. Obligation of funds in Special Defense Acquisition Fund for preci-
sion guided munitions.
Sec. 1204. Modification of defense institution capacity building and authority
to build capacity of foreign security forces.
Sec. 1205. Extension and modification of authority on training for Eastern Eu-
ropean national security forces in the course of multilateral ex-
ercises.
Sec. 1206. Global Security Contingency Fund.
Sec. 1207. Defense Institute of International Legal Studies.
Sec. 1208. Extension of participation in and support of the Inter-American De-
fense College.
Sec. 1209. Plan on improvement of ability of national security forces of foreign countries participating in United States capacity building programs to protect civilians.

Subtitle B—Matters Relating to Afghanistan and Pakistan

Sec. 1211. Extension of authority to transfer defense articles and provide defense services to the military and security forces of Afghanistan.
Sec. 1212. Extension and modification of authority for reimbursement of certain coalition nations for support provided to United States military operations.
Sec. 1213. Special immigrant visas for Afghan allies.
Sec. 1214. Extension of authority to acquire products and services produced in countries along a major route of supply to Afghanistan.
Sec. 1215. Extension of semiannual report on enhancing security and stability in Afghanistan.

Subtitle C—Matters Relating to Syria, Iraq, and Iran

Sec. 1221. Report on United States strategy in Syria.
Sec. 1222. Extension and modification of authority to provide assistance to counter the Islamic State of Iraq and Syria.
Sec. 1223. Modification of authority to provide assistance to the vetted Syrian opposition.
Sec. 1224. Extension and modification of authority to support operations and activities of the Office of Security Cooperation in Iraq.
Sec. 1225. Modification and additional elements in annual report on the military power of Iran.
Sec. 1226. Extension of quarterly reports on confirmed ballistic missile launches from Iran and imposition of sanctions in connection with those launches.
Sec. 1227. Limitation on use of funds for provision of man-portable air defense systems to the vetted Syrian opposition.

Subtitle D—Matters Relating to the Russian Federation

Sec. 1231. Extension of limitation on military cooperation between the United States and the Russian Federation.
Sec. 1232. Prohibition on availability of funds relating to sovereignty of the Russian Federation over Crimea.
Sec. 1233. Sense of Congress on European security.
Sec. 1234. Modification and extension of Ukraine Security Assistance Initiative.
Sec. 1235. Limitation on availability of funds relating to implementation of the Open Skies Treaty.
Sec. 1236. Sense of Congress on importance of nuclear capabilities of NATO.
Sec. 1237. Report on Security Cooperation with respect to Western Balkan Countries.
Sec. 1238. Plan to respond in case of Russian noncompliance with the New START Treaty.
Sec. 1239. Strategy to counter threats by the Russian Federation.
Sec. 1239A. Strategy to counter the threat of malign influence by the Russian Federation.


Sec. 1241. Short title.
Sec. 1242. Findings.
Sec. 1243. Compliance enforcement regarding Russian violations of the INF Treaty.
Sec. 1244. Notification requirement related to Russian Federation development of noncompliant systems and United States actions regarding material breach of INF Treaty by the Russian Federation.
Sec. 1245. Review of RS–26 ballistic missile.
Sec. 1246. Definitions.

Subtitle F—Matters Relating to the Indo-Asia-Pacific Region

Sec. 1251. Sense of Congress and Initiative for the Indo-Asia-Pacific region.
Sec. 1253. Assessment of United States force posture and basing needs in the Indo-Asia-Pacific region.
Sec. 1254. Plan to enhance the extended deterrence and assurance capabilities of the United States in the Asia-Pacific region.
Sec. 1255. Sense of Congress reaffirming security commitments to the Governments of Japan and South Korea and trilateral cooperation between the United States, Japan, and South Korea.
Sec. 1256. Strategy on North Korea.
Sec. 1257. North Korean nuclear intercontinental ballistic missiles.
Sec. 1258. Advancements in defense cooperation between the United States and India.
Sec. 1259. Strengthening the defense partnership between the United States and Taiwan.
Sec. 1259A. Normalizing the transfer of defense articles and defense services to Taiwan.
Sec. 1259B. Assessment on United States defense implications of China’s expanding global access.
Sec. 1259C. Agreement supplemental to Compact of Free Association with Palau.
Sec. 1259D. Study on United States interests in the Freely Associated States.

Subtitle G—Reports

Sec. 1261. Modification of annual report on military and security developments involving the People’s Republic of China.
Sec. 1263. Report on strategy to defeat Al-Qaeda, the Taliban, the Islamic State of Iraq and Syria (ISIS), and their associated forces and co-belligerents.
Sec. 1264. Report on and notice of changes made to the legal and policy frameworks for the United States’ use of military force and related national security operations.
Sec. 1265. Report on military action of Saudi Arabia and its coalition partners in Yemen.
Sec. 1266. Submittal of Department of Defense Supplemental and Cost of War Execution reports on quarterly basis.

Sec. 1267. Consolidation of reports on United States Armed Forces, civilian employees, and contractors deployed in support of Operation Inherent Resolve, Operation Freedom’s Sentinel, and associated and successor operations.

Sec. 1268. Comptroller General of the United States report on pricing and availability with respect to foreign military sales.

Sec. 1269. Annual report on military and security developments involving the Russian Federation.

Subtitle H—Other Matters

Sec. 1271. Security and stability strategy for Somalia.


Sec. 1273. Future years plan for the European Deterrence Initiative.

Sec. 1274. Extension of authority to enter into agreements with participating countries in the American, British, Canadian, and Australian Armies’ Program.

Sec. 1275. United States military and diplomatic strategy for Yemen.

Sec. 1276. Transfer of excess high mobility multipurpose wheeled vehicles to foreign countries.

Sec. 1277. Department of Defense program to protect United States students against foreign agents.

Sec. 1278. Limitation and extension of United States-Israel anti-tunnel cooperation authority.

Sec. 1279. Anticorruption strategy.

Sec. 1279A. Strategy to improve defense institutions and security sector forces in Nigeria.

Sec. 1279B. Limitation on availability of funds to implement the Arms Trade Treaty.

Sec. 1279C. Cultural Heritage Protection Coordinator.

Sec. 1279D. Security assistance for Baltic nations for joint program for interoperability and deterrence against aggression.

Sec. 1279E. Restriction on funding for the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization.

Sec. 1279F. Clarification of authority to support border security operations of certain foreign countries.
Subtitle A—Assistance and Training

SEC. 1201. ONE-YEAR EXTENSION OF LOGISTICAL SUPPORT FOR COALITION FORCES SUPPORTING CERTAIN UNITED STATES MILITARY OPERATIONS.


(1) in subsection (a), by striking “fiscal year 2017” and inserting “fiscal year 2018”;

(2) in subsection (d), by striking “during the period beginning on October 1, 2016, and ending on December 31, 2017” and inserting “during the period beginning on October 1, 2017, and ending on December 31, 2018”; and

(3) in subsection (e)(1), by striking “December 31, 2017” and inserting “December 31, 2018”.

SEC. 1202. SUPPORT OF SPECIAL OPERATIONS FOR IRREGULAR WARFARE.

(a) AUTHORITY.—The Secretary of Defense may, with the concurrence of the relevant Chief of Mission, ex-
pend up to $10,000,000 during each of fiscal years 2018 through 2020 to provide support to foreign forces, irregular forces, groups, or individuals engaged in supporting or facilitating ongoing and authorized irregular warfare operations by United States Special Operations Forces.

(b) FUNDS.—

(1) IN GENERAL.—Funds for support under this section in a fiscal year shall be derived from amounts authorized to be appropriated for that fiscal year for the Department of Defense for operation and maintenance.

(2) LIMITATION.—Funds may not be made available under paragraph (1) until 15 days after the submittal of the strategy required by section 1097 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1020).

(c) PROCEDURES.—

(1) IN GENERAL.—The authority in this section shall be exercised in accordance with such procedures as the Secretary shall establish for purposes of this section.

(2) ELEMENTS.—The procedures required under paragraph (1) shall establish, at a minimum,
(A) Policy guidance for the execution of, and constraints within, activities under the authority in this section.

(B) The processes through which activities under the authority in this section are to be developed, validated, and coordinated, as appropriate, with relevant entities of the United States Government.

(C) The processes through which legal reviews and determinations are made to comply with the authority in this section and ensure that the exercise of such authority is consistent with the national security of the United States.

(3) NOTICE TO CONGRESS ON PROCEDURES AND MATERIAL MODIFICATIONS.—The Secretary shall notify the congressional defense committees of the procedures established pursuant to this section before any exercise of the authority in this section, and shall notify such committee of any material modification of the procedures.

(d) NOTIFICATION.—

(1) IN GENERAL.—Not later than 15 days before exercising the authority in this section to make funds available to initiate support of an ongoing and authorized operation or changing the scope or fund-
ing level of any support under this section for such 
an operation by $500,000 or an amount equal to 10 
percent of such funding level (whichever is less), the 
Secretary shall notify the congressional defense com-
mittees of the use of such authority with respect to 
such operation. Any such notification shall be in 
writing.

(2) ELEMENTS.—A notification required by this 
subsection shall include the following:

(A) The type of support to be provided to 
United States Special Operations Forces, and a 
description of the ongoing and authorized oper-
ation to be supported.

(B) A description of the foreign forces, ir-
regular forces, groups, or individuals engaged in 
supporting or facilitating the ongoing and au-
thorized operation that is to be the recipient of 
funds.

(C) The type of support to be provided to 
the recipient of the funds, and a description of 
the end-use monitoring to be used in connection 
with the use of the funds.

(D) The amount obligated under the au-
thority to provide support.
(E) The determination of the Secretary that the provision of support does not constitute any of the following:

(i) A specific authorization within the meaning of section 5(b) of the War Powers Resolution (50 U.S.C. 1544(b)) for the introduction of United States Armed Forces into hostilities or situations wherein hostilities are clearly indicated by circumstances.

(ii) A covert action, as such term is defined in section 503(e) of the National Security Act of 1947 (50 U.S.C. 3093(e)).

(iii) An authorization for the provision of support to regular forces, irregular forces, groups or individuals for the conduct of operations that United States Special Operations Forces are not otherwise legally authorized to conduct themselves.

(iv) The conduct or support of activities, whether directly or indirectly, that are inconsistent with the laws of armed conflict.
(e) LIMITATION ON DELEGATION.—The authority of the Secretary to make funds available under this section for support of a military operation may not be delegated.

(f) CONSTRUCTION OF AUTHORITY.—Nothing in this section shall be construed to constitute a specific statutory authorization for any of the following:

(1) The conduct of a covert action, as such term is defined in section 503(e) of the National Security Act of 1947.

(2) The introduction of United States Armed Forces, within the meaning of section 5(b) of the War Powers Resolution, into hostilities or into situations wherein hostilities are clearly indicated by the circumstances.

(3) The provision of support to regular forces, irregular forces, groups, or individuals for the conduct of operations that United States Special Operations Forces are not otherwise legally authorized to conduct themselves.

(4) The conduct or support of activities, directly or indirectly, that are inconsistent with the laws of armed conflict.

(g) PROGRAMMATIC AND POLICY OVERSIGHT.—The Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict shall have primary programmatic
and policy oversight within the Office of the Secretary of Defense of support to irregular warfare activities authorized by this section.

(h) Biannual Reports.—

(1) Report on preceding fiscal year.— Not later than 120 days after the close of each fiscal year in which subsection (a) is in effect, the Secretary shall submit to the congressional defense committees a report on the support provided under this section during the preceding fiscal year.

(2) Report on current calendar year.— Not later than 180 days after the submittal of each report required by paragraph (1), the Secretary shall submit to the congressional defense committees a report on the support provided under this section during the first half of the fiscal year in which the report under this paragraph is submitted.

(3) Elements.—Each report required by this subsection shall include the following:

(A) A summary of the ongoing irregular warfare operations, and associated authorized campaign plans, being conducted by United States Special Operations Forces that were supported or facilitated by foreign forces, irregular forces, groups, or individuals for which support
was provided under this section during the period covered by such report.

(B) A description of the support or facilitation provided by such foreign forces, irregular forces, groups, or individuals to United States Special Operations Forces during such period.

(C) The type of recipients that were provided support under this section during such period, identified by authorized category (foreign forces, irregular forces, groups, or individuals).

(D) A detailed description of the support provided to the recipients under this section during such period.

(E) The total amount obligated for support under this section during such period, including budget details.

(F) The intended duration of support provided under this section during such period.

(G) An assessment of value of the support provided under this section during such period, including a summary of significant activities undertaken by foreign forces, irregular forces, groups, or individuals to support irregular war-
fare operations by United States Special Operations Forces.

(H) The total amount obligated for support under this section in prior fiscal years.

(i) **IRREGULAR WARFARE DEFINED.**—In this section, the term “irregular warfare” means activities in support of predetermined United States policy and military objectives conducted by, with, and through regular forces, irregular forces, groups, and individuals participating in competition between state and non-state actors short of traditional armed conflict.

**SEC. 1203. OBLIGATION OF FUNDS IN SPECIAL DEFENSE ACQUISITION FUND FOR PRECISION GUIDED MUNITIONS.**

(a) **IN GENERAL.—**Section 114(c)(3) of title 10, United States Code, is amended by striking “Of the amount” and all that follows through “only to procure” and inserting “Of the amount of annual obligations from the Special Defense Acquisition Fund in each of fiscal years 2018 through 2022, not less than 20 percent shall be for funds to procure”.

(b) **EFFECTIVE DATE.—**The amendment made by subsection (a) shall take effect as of October 1, 2017.
SEC. 1204. MODIFICATION OF DEFENSE INSTITUTION CAPACITY BUILDING AND AUTHORITY TO BUILD CAPACITY OF FOREIGN SECURITY FORCES.

(a) DEFENSE INSTITUTION CAPACITY BUILDING.—

Section 332 of title 10, United States Code, is amended—

(1) in subsection (a), by inserting “and members of the armed forces” after “civilian employees of the Department of Defense”; 

(2) in subsection (b)—

(A) in paragraph (1), by inserting “to assign civilian employees of the Department of Defense and members of the armed forces as advisors or trainers” after “carry out a program”; and

(B) in paragraph (2)(B)—

(i) by striking “employees” in each place it appears and inserting “advisors or trainers”; and

(ii) by striking “each assigned employee’s activities” and inserting “the activities of each assigned advisor or trainer”; and

(3) in subsection (c)—

(A) in the matter preceding paragraph (1), by inserting “or a member of the armed forces”
after “a civilian employee of the Department of
Defense”; 

(B) in paragraph (1), by striking “em-
ployee as an advisor” and inserting “advisor or
trainer”; and 

(C) in paragraph (3), by striking “em-
ployee” and inserting “advisor or trainer”.

(b) Authority to Build Capacity of Foreign
Security Forces.—Subsection (c) of section 333 of title
10, United States Code, is amended—

(1) in paragraph (2)—

(A) in subparagraph (A), by striking “and
the rule of law” and inserting “the rule of law,
and civilian control of the military”; and 

(B) in subparagraph (B), by striking “Re-
spect for civilian control of the military” and
inserting “Institutional capacity building”;

(2) in paragraph (3)—

(A) in the heading, by striking “HUMAN
RIGHTS TRAINING” and inserting “OBSE-
RANCE OF AND RESPECT FOR THE LAW OF
ARMED CONFLICT, HUMAN RIGHTS AND FUND-
MENTAL FREEDOMS, THE RULE OF LAW, AND
CIVILIAN CONTROL OF THE MILITARY”;
(B) by inserting “or the Department of State” after “Department of Defense”; and

(C) by striking “human rights training that includes a comprehensive curriculum on human rights and the law of armed conflict” and inserting “training that includes a comprehensive curriculum on the law of armed conflict, human rights and fundamental freedoms, and the rule of law, and that enhances the capacity to exercise responsible civilian control of the military”; and

(3) in paragraph (4)—

(A) in the first sentence, by striking “that the Department is already undertaking, or will undertake as part of the program” and all that follows and inserting “that the Department of Defense or another department or agency is already undertaking, or will undertake as part of the security sector assistance provided to the foreign country concerned, a program of institutional capacity building with appropriate institutions of such foreign country to enhance the capacity of such foreign country to organize, administer, employ, manage, maintain, sustain,
or oversee the national security forces of such foreign country.”; and

(B) by striking the second sentence.

SEC. 1205. EXTENSION AND MODIFICATION OF AUTHORITY ON TRAINING FOR EASTERN EUROPEAN NATIONAL SECURITY FORCES IN THE COURSE OF MULTILATERAL EXERCISES.


(1) by striking “September 30, 2018” and inserting “December 31, 2020”; and

(2) by striking “fiscal years 2016 through 2018” and inserting “for the period beginning on October 1, 2015, and ending on December 31, 2020”.

(b) Regulations for Administration of Incremental Expenses.—Subsection (d) of such section, as so amended, is further amended by adding at the end the following:

“(4) Regulations.—
“(A) IN GENERAL.—The Secretary of Defense shall prescribe regulations for payment of incremental expenses under subsection (a). Not later than 120 days after the date of the enactment of this paragraph, the Secretary shall submit the regulations to the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives.

“(B) PROCEDURES TO BE INCLUDED.—The regulations required under subparagraph (A) shall include procedures—

“(i) to require reimbursement of incremental expenses from non-developing countries determined pursuant to subsection (c) to be eligible for the provision of training under subsection (a); and

“(ii) to provide for a waiver of the requirement of reimbursement of incremental expenses under clause (i), on a case-by-case basis, if the Secretary of Defense determines special circumstances exist to provide for the waiver.

“(C) QUARTERLY REPORT.—The Secretary of Defense shall submit to the congressional de-
fense committees and the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives, on a quarterly basis, a report that includes a description of each waiver of the requirement of reimbursement of incremental expenses under subparagraph (B)(i) that was in effect at any time during the preceding calendar quarter.

“(D) NON-DEVELOPING COUNTRY DEFINED.—In this paragraph, the term ‘non-developing country’ means a country that is not a developing country, as such term is defined in section 301(4) of title 10, United States Code.”.

(e) CONSTRUCTION OF AUTHORITY.—Subsection (f) of such section, as so amended, is further amended—

(1) by striking “subsection (a) is in addition” and inserting the following: “subsection (a)—

“(1) is in addition”;

(2) by striking the period at the end and inserting “; and”; and

(3) by adding at the end the following:
“(2) shall not be construed to include authority for the training of irregular forces, groups, or individuals.”.

(d) TECHNICAL AND CONFORMING AMENDMENTS.—

Such section, as so amended, is further amended—

(1) by striking “military” each place it appears and inserting “security”;

(2) in subsection (e), by striking “that” and inserting “than”;

(3) in subsection (f), by striking “section 2282” and inserting “chapter 16”; and

(4) in subsection (g), by striking “means” and all that follows and inserting “has the meaning given such term in section 301(5) of title 10, United States Code.”.

SEC. 1206. GLOBAL SECURITY CONTINGENCY FUND.

Section 1207 of the National Defense Authorization Act for Fiscal Year 2012 (22 U.S.C. 2151 note) is amended—

(1) in subsection (i), by striking “September 30, 2017” and inserting “September 30, 2019”; and

(2) in subsection (p)—

(A) by striking “September 30, 2017” and inserting “September 30, 2019”; and
(B) by striking “through 2017” and inserting “through 2019”.

SEC. 1207. DEFENSE INSTITUTE OF INTERNATIONAL LEGAL STUDIES.

(a) IN GENERAL.—The Secretary of Defense may operate an institute to be known as the “Defense Institute of International Legal Studies” (in this section referred to as the “Institute”) in accordance with this section to further the United States security and foreign policy objectives of—

(1) promoting an understanding of and appreciation for the rule of law; and

(2) encouraging the international development of internal capacities of foreign governments for civilian control of the military, military justice, the legal aspects of peacekeeping, good governance and anti-corruption in defense reform, and human rights.

(b) ACTIVITIES.—In carrying out the purposes specified in subsection (a), the Institute may conduct activities as follows:

(1) Exchange of ideas on best practices and lessons learned in order to improve compliance with international legal norms.

(2) Education and training involving professional legal engagement with foreign military per-
sonnel and related civilians, both within and outside the United States.

(3) Building the legal capacity of foreign military and other security forces, including equitable, transparent, and accountable defense institutions, civilian control of the military, human rights, and democratic governance.

(4) Institutional legal capacity building of foreign defense and security institutions.

(c) DEPARTMENT OF DEFENSE REVIEW.—

(1) IN GENERAL.—The Secretary shall conduct a comprehensive review of the mission, workforce, funding, and other support of the Institute.

(2) ELEMENTS.—The review shall include, but not be limited to, the following:

(A) An assessment of the scope of the mission of the Institute, taking into account the increasing security cooperation authorities and requirements of the Department of Defense, including core rule of law training in the United States and abroad, defense legal institution building, and statutorily required human rights and legal capacity building of foreign security forces.
(B) An assessment of the workforce of the Institute, including whether it is appropriately sized to align with the full scope of the mission of the Institute.

(C) A review of the funding mechanisms for the activities of the Institute, including the current mechanisms for reimbursing the Institute by the Department of State and by the Department of Defense through the budget of the Defense Security Cooperation Agency.

(D) An evaluation of the feasibility and advisability of the provision of funds appropriated for the Department of Defense directly to the Institute, and the actions, if any, required to authorize the Institute to receive such funds directly.

(E) A description of the challenges, if any, faced by the Institute to increase its capacity to provide residence courses to meet demands for training and assistance.

(F) An assessment of the capacity of the Department of Defense to assess, monitor, and evaluate the effectiveness of the human rights training and other activities of the Institute.
(3) **REPORT.**—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report summarizing the findings of the review and any recommendations for enhancing the capability of the Institute to fulfill its mission that the Secretary considers appropriate.

(d) **COMPTROLLER GENERAL OF THE UNITED STATES REPORT.**—

(1) **IN GENERAL.**—Not later than 270 days after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the appropriate committees of Congress a report that sets forth the following:

(A) A description of the mechanisms and authorities used by the Department of Defense and the Department of State to conduct training of foreign security forces on human rights and international humanitarian law.

(B) A description of the funding used to support the training described in subparagraph (A).

(C) A description and assessment of the methodology used by each of the Department of
Defense and the Department of State to assess
the effectiveness of such training.

(D) Such recommendations for improve-
ments to such training as the Comptroller Gen-
eral considers appropriate.

(E) Such other matters relating to such
training as the Comptroller General considers
appropriate.

(2) APPROPRIATE COMMITTEES OF CONGRESS
DEFINED.—In this subsection, the term “appro-
priate committees of Congress” means—

(A) the Committee on Armed Services, the
Committee on Foreign Relations, and the Com-
mittee on Appropriations of the Senate; and

(B) the Committee on Armed Services, the
Committee on Foreign Affairs, and the Com-
mittee on Appropriations of the House of Rep-
resentatives.

SEC. 1208. EXTENSION OF PARTICIPATION IN AND SUP-
PORT OF THE INTER-AMERICAN DEFENSE
COLLEGE.

Subsection (c) of section 1243 of the National De-
fense Authorization Act for Fiscal Year 2017 (Public Law
114–328; 130 Stat. 2516; 10 U.S.C. 1050 note) is amend-
ed—
(1) in the heading, by striking “FISCAL YEAR 2017” and inserting “FISCAL YEARS 2017, 2018, AND 2019”; and

(2) by striking “fiscal year 2017” and inserting “fiscal years 2017, 2018, and 2019”.

SEC. 1209. PLAN ON IMPROVEMENT OF ABILITY OF NATIONAL SECURITY FORCES OF FOREIGN COUNTRIES PARTICIPATING IN UNITED STATES CAPACITY BUILDING PROGRAMS TO PROTECT CIVILIANS.

(a) REPORT ON PLAN.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense and the Secretary of State shall jointly submit to the appropriate committees of Congress a report setting forth a plan, to be implemented as part of appropriate capacity building programs under section 333(c) of title 10, United States Code, to improve the ability of national security forces of foreign countries to protect civilians.

(b) ELEMENTS.—The plan required by subsection (a) shall include the following:

(1) Efforts to develop and integrate principles and techniques on the protection of civilians in relevant partner force standard operating procedures.
(2) Efforts to build partner capacity to collect, track, and analyze civilian casualty data and apply lessons learned to future operations.

(3) Efforts to support enhanced investigatory and accountability standards in partner forces in order to ensure that such forces comply with the laws of armed conflict and observe appropriate standards for human rights and the protection of civilians.

(4) Efforts to increase partner transparency, which may include the establishment of capabilities within partner militaries to improve communication with the public.

(5) The estimated resources required to implement the efforts described in paragraphs (1) through (4).

(6) The appropriate roles of the Department of Defense and the Department of State in such efforts.

(7) Any other matters the Secretary of Defense and the Secretary of State consider appropriate.

(c) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—
(1) the Committee on Armed Services, the Committee on Foreign Relations, and the Committee on Appropriations of the Senate; and

(2) the Committee on Armed Services, the Committee on Foreign Affairs, and the Committee on Appropriations of the House of Representatives.

Subtitle B—Matters Relating to Afghanistan and Pakistan

SEC. 1211. EXTENSION OF AUTHORITY TO TRANSFER DEFENSE ARTICLES AND PROVIDE DEFENSE SERVICES TO THE MILITARY AND SECURITY FORCES OF AFGHANISTAN.


(b) Excess Defense Articles.—Subsection (i)(2) of such section 1222, as so amended, is further amended by striking “December 31, 2017” each place it appears and inserting “December 31, 2018”.
SEC. 1212. EXTENSION AND MODIFICATION OF AUTHORITY
FOR REIMBURSEMENT OF CERTAIN COALITION NATIONS FOR SUPPORT PROVIDED TO
UNITED STATES MILITARY OPERATIONS.

(a) Extension.—Subsection (a) of section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 393), as most recently amended by section 1218 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2482), is further amended by striking “the period beginning on October 1, 2016, and ending on December 31, 2017,” and inserting “the period beginning on October 1, 2017, and ending on December 31, 2018.”

(b) Limitations on Amounts Available.—Subsection (d)(1) of such section 1233, as so amended, is further amended—

(1) in the first sentence, by striking “during the period beginning on October 1, 2016, and ending on December 31, 2017, may not exceed $1,100,000,000” and inserting “during the period beginning on October 1, 2017, and ending on December 31, 2018, may not exceed $900,000,000”; and

(2) in the second sentence, by striking “the period beginning on October 1, 2016 and ending on December 31, 2017, may not exceed $900,000,000”
and inserting “during the period beginning on October 1, 2017, and ending on December 31, 2018, may not exceed $700,000,000”.

(c) EXTENSION OF REPORTING REQUIREMENT ON REIMBURSEMENT OF PAKISTAN FOR SECURITY ENHANCEMENT ACTIVITIES.—Subsection (e)(2) of such section 1233, as added by section 1218 of the National Defense Authorization Act for Fiscal Year 2017, is amended by inserting “and annually thereafter,” after “December 31, 2017,”.

(d) EXTENSION OF NOTICE REQUIREMENT RELATING TO REIMBURSEMENT OF PAKISTAN FOR SUPPORT PROVIDED BY PAKISTAN.—Section 1232(b)(6) of the National Defense Authorization Act for Fiscal Year 2008 (122 Stat. 393), as most recently amended by section 1218(e) of the National Defense Authorization Act for Fiscal Year 2017, is further amended by striking “December 31, 2017” and inserting “December 31, 2018”.

(e) EXTENSION OF LIMITATION ON REIMBURSEMENT OF PAKISTAN PENDING CERTIFICATION ON PAKISTAN.—Section 1227(d)(1) of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 2001), as most recently amended by section 1218(f) of the National Defense Authorization Act for Fiscal Year 2017, is further amended by striking “for any period prior
to December 31, 2017” and inserting “for any period prior to December 31, 2018”.

(f) ADDITIONAL LIMITATION ON REIMBURSEMENT OF PAKISTAN PENDING CERTIFICATION ON PAKISTAN.—

Of the total amount of reimbursements and support authorized for Pakistan during fiscal year 2018 pursuant to the second sentence of section 1233(d)(1) of the National Defense Authorization Act for Fiscal Year 2008 (as amended by subsection (b)(2)), $350,000,000 shall not be eligible for the waiver under section 1227(d)(2) of the National Defense Authorization Act for Fiscal Year 2013 (126 Stat. 2001) unless the Secretary of Defense certifies to the congressional defense committees that—

(1) Pakistan continues to conduct military operations that are contributing to significantly disrupting the safe havens, fundraising and recruiting efforts, and freedom of movement of the Haqqani Network in Pakistan;

(2) Pakistan has taken steps to demonstrate its commitment to prevent the Haqqani Network from using any Pakistan territory as a safe haven and for fundraising and recruiting efforts;

(3) the Government of Pakistan is making an attempt to actively coordinate with the Government of Afghanistan to restrict the movement of militants,
such as the Haqqani Network, along the Afghan-
istan-Pakistan border; and

(4) Pakistan has shown progress in arresting
and prosecuting senior leaders and mid-level
operatives of the Haqqani Network.

SEC. 1213. SPECIAL IMMIGRANT VISAS FOR AFGHAN AL-
LIES.

Section 602(b)(3)(F) of the Afghan Allies Protection
Act of 2009 (8 U.S.C. 1101 note) is amended in the mat-
ter preceding clause (i) by striking “11,000” and inserting
“14,500”.

SEC. 1214. EXTENSION OF AUTHORITY TO ACQUIRE PROD-
UCTS AND SERVICES PRODUCED IN COUN-
TRIES ALONG A MAJOR ROUTE OF SUPPLY
TO AFGHANISTAN.

Section 801(f) of the National Defense Authorization
Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat.
2399), as most recently amended by section 1212 of the
(Public Law 114–328; 130 Stat. 2478), is further amend-
ed by striking “December 31, 2018” and inserting “De-
ce 31, 2019”.
SEC. 1215. EXTENSION OF SEMIANNUAL REPORT ON ENHANCING SECURITY AND STABILITY IN AFGHANISTAN.


SEC. 1216. HUMAN RIGHTS VETTING OF AFGHAN NATIONAL DEFENSE AND SECURITY FORCES.

The Secretary of Defense may establish within the Department of Defense one or more permanent positions to oversee and support, in coordination with the Department of State, the implementation of section 362 of title 10, United States Code, with respect to the Afghan National Defense and Security Forces.

Subtitle C—Matters Relating to Syria, Iraq, and Iran

SEC. 1221. REPORT ON UNITED STATES STRATEGY IN SYRIA.

(a) IN GENERAL.—Not later than February 1, 2018, the President shall submit to the appropriate congressional committees a report that describes the strategy of the United States in Syria.
(b) MATTERS TO BE INCLUDED.—The report required by subsection (a) shall include each of the following:

1. A description of—

   (A) the key United States security interests and the political and military objectives, long-term goals, and end-states for Syria; and

   (B) indicators for the effectiveness of efforts to achieve such objectives, goals, and end-states.

2. A description of United States assumptions underlying current intelligence assessments, the roles and ambitions of other countries, and the interests of relevant Syrian groups with respect to such objectives.

3. A description of how current military, diplomatic, and humanitarian assistance efforts in Syria align with such objectives.

4. The estimated annual resources required through fiscal year 2022 for the relevant departments and agencies to achieve such objectives.

5. An analysis of the threats posed to United States interests, including to United States military or civilian personnel in Syria or the surrounding region, by Russian and Iranian activities in Syria, as
well as the threats posed to such interests or personnel by the Islamic State of Iraq and Syria, Al Qaeda, Hezbollah, and other violent extremist organizations in Syria.

(6) A description of United States objectives for a sustainable political settlement in Syria.

(7) A description of the coordination between the Department of Defense and the Department of State regarding the transition from military operations to stabilization efforts in areas liberated from the control of the Islamic State of Iraq and Syria, including a description of how local governance and civil society will be restored in areas secured through coalition military operations in Syria.

(8) A description of the current and planned response of the United States to the humanitarian crisis in Syria as a result of attacks by the Syrian Government on its people, including support for the needs of refugees and internally displaced populations and for improving access to humanitarian aid, especially in areas where such aid has been blocked.

(9) A description of amounts and sources of Islamic State of Iraq and Syria financing in Syria and
efforts to disrupt this financing as part of the broader strategy of the United States in Syria.

(10) An assessment of the capabilities and willingness of the Syrian government and its allies to use chemical or other weapons of mass destruction against its citizens or against United States and associated military forces in Syria.

(11) A description of the roles and responsibilities of United States allies and partners and other countries in the region in establishing regional stability.

(12) A description of all mechanisms for coordination and deconfliction between the United States and the governments of Russia and other state actors in order to achieve the United States strategy in Syria.

(13) A description of the current legal authorities that support the strategy of the United States in Syria and any additional legal authorities that may be necessary to implement such strategy.

(14) A description of the military conditions that must be met for the Islamic State of Iraq and Syria to be considered defeated.

(15) Any other matters the President determines to be relevant.
(c) Appropriate Congressional Committees Defined.—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees; and

(2) the Committee on Foreign Affairs of the House of Representatives and the Committee on Foreign Relations of the Senate.

SEC. 1222. EXTENSION AND MODIFICATION OF AUTHORITY TO PROVIDE ASSISTANCE TO COUNTER THE ISLAMIC STATE OF IRAQ AND SYRIA.


(b) Quarterly Progress Report.—Subsection (d) of such section 1236, as most recently amended by section 1222 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1049), is further amended—

(1) in the first sentence of the matter preceding paragraph (1), by adding at the end before the pe-
period the following: ‘‘, which shall be provided in un-
classified form with a classified annex if necessary’’; and

(2) by adding at the end the following:

‘‘(12) An assessment of—

‘‘(A) security in liberated areas in Iraq;

‘‘(B) the extent to which security forces
trained and equipped, directly or indirectly, by
the United States are prepared to provide post-
conflict stabilization and security in such liber-
ated areas; and

‘‘(C) the effectiveness of security forces in
the post-conflict environment and an identifica-
tion of which such forces will provide post-con-


flict stabilization and security in such liberated
areas.’’.

(c) CLARIFICATION OF CONSTRUCTION AUTHOR-

ITY.—

(1) CLARIFICATION.—Subsection (a) of such
section 1236 is further amended by striking ‘‘facility
and infrastructure repair and renovation,’’ and in-
serting ‘‘infrastructure repair and renovation, small-

scale construction of temporary facilities necessary
to meet urgent operational or force protection re-
requirements with a cost less than $4,000,000,’’.
(2) ADDITIONAL LIMITATIONS AND REQUIREMENTS.—Such section 1236 is further amended by adding at the end the following new subsections:

“(m) LIMITATION ON AGGREGATE COST OF CONSTRUCTION, REPAIR, AND RENOVATION PROJECTS.—The aggregate amount of construction, repair, and renovation projects carried out under this section in any fiscal year may not exceed $30,000,000.

“(n) APPROVAL AND NOTICE BEFORE CERTAIN CONSTRUCTION, REPAIR, AND RENOVATION PROJECTS.—

“(1) APPROVAL.—A construction, repair, or renovation project costing more than $1,000,000 may not be carried out under this section unless approved in advance by the Commander of the United States Central Command.

“(2) NOTICE.—When a decision is made to carry out a construction, repair, or renovation project to which paragraph (1) applies, the Commander of the United States Central Command shall notify in writing the appropriate committees of Congress of that decision, including the justification for the project and the estimated cost of the project. The project may be carried out only after the end of the 21-day period beginning on the date the notification is received by the committees or, if earlier,
the end of the 14-day period beginning on the date
on which a copy of the notification is provided in an
electronic medium pursuant to section 480 of title
10, United States Code.”.

(3) ELEMENT IN QUARTERLY REPORTS ON
CONSTRUCTION, REPAIR, AND RENOVATION.—Para-
graph (8) of subsection (d) of such section 1236 is
amended to read as follows:

“(8) A list of new projects for construction, re-
pair, or renovation commenced during the period
covered by such progress report, and a list of
projects for construction, repair, or renovation con-
tinuing from the period covered by the preceding
progress report.”.

(d) FUNDING.—Subsection (g) of such section 1236,
as most recently amended by section 1222 of the National
Defense Authorization Act for Fiscal Year 2017, is further
amended—

(1) by striking “in the National Defense Au-
thorization Act for Fiscal Year 2017 for Overseas
Contingency Operations in title XV for fiscal year
2017” and inserting “for the Department of Defense
for Overseas Contingency Operations for fiscal year
2018”; and
(2) by striking “$630,000,000” and inserting “$1,269,000,000”.

(e) Name of Islamic State or Iraq and Syria.—

(1) In general.—Such section 1236 is further amended—

(A) in subsection (a)(1)—

(i) by striking “the Levant” and inserting “Syria”; and

(ii) by striking “ISIL” each place it appears and inserting “ISIS”; and

(B) in subsection (l)—

(i) in paragraph (1)(B)(i), by striking “the Levant (ISIL)” and inserting “Syria (ISIS)” ; and

(ii) in paragraph (2)(A), by striking “ISIL” and inserting “ISIS”.

(2) Heading Amendment.—The heading of such section 1236 is amended to read as follows:
SEC. 1236. AUTHORITY TO PROVIDE ASSISTANCE TO COUNTER THE ISLAMIC STATE OF IRAQ AND SYRIA.

SEC. 1223. MODIFICATION OF AUTHORITY TO PROVIDE ASSISTANCE TO THE VETTED SYRIAN OPPOSITION.

(a) Nature of Assistance.—Subsection (a) of section 1209 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3541), as amended by section 1221(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2485), is further amended in the matter preceding paragraph (1) by striking “construction of training and associated facilities” and inserting “construction and repair of training and associated facilities or other facilities necessary to meet urgent military operational requirements of a temporary nature with a cost less than $4,000,000”.

(b) Scope of Element on Construction Projects in Quarterly Progress Reports.—Subsection (d)(9) of such section 1209 is amended by inserting before the semicolon the following: “, including new construction or repair commenced during the period covered by such progress report and construction and repair
continuing from the period covered by the preceding progress report”.

(c) INFORMATION ACCOMPANYING REPROGRAMMING REQUESTS.—Subsection (f)(2) of such section 1209, as amended by section 1221(b) of the National Defense Authorization Act for Fiscal Year 2017, is further amended by adding at the end the following new subparagraph:

“(C) A description of any material use of assistance provided under subsection (a) by an appropriately vetted recipient of such assistance for a purpose other than the purposes specified in subsection (a) that occurred since the most recent reprogramming or transfer request of the Secretary pursuant to this subsection, which description shall set forth, for each such material misuse, the following:

“(i) The details of such material misuse.

“(ii) The recipient or recipients responsible for such material misuse.

“(iii) The consequences of such material misuse.

“(iv) The actions taken by the Secretary to remediate the causes and effects of such material misuse.”.
(d) **Limitation on Aggregate Cost of Construction and Repair Projects.**—Such section 1209 is further amended by adding at the end the following new subsection:

```
“(l) **Limitation on Aggregate Cost of Construction and Repair Projects.**—The aggregate amount of construction and repair projects carried out under this section in any fiscal year may not exceed $10,000,000.”
```

(e) **Approval and Notice Before Certain Construction and Repair Projects.**—Such section 1209 is further amended by adding at the end the following new subsection:

```
“(m) **Approval and Notice Before Certain Construction and Repair Projects.**—

“(1) **Approval.**—A construction or repair project costing more than $1,000,000 may not be carried out under this section unless approved in advance by the Commander of the United States Central Command.

“(2) **Notice.**—When a decision is made to carry out a construction or repair project to which paragraph (1) applies, the Commander of the United States Central Command shall notify in writing the appropriate committees of Congress of that decision,
```
including the justification for the project and the estimated cost of the project. The project may be carried out only after the end of the 21-day period beginning on the date the notification is received by the committees or, if earlier, the end of the 14-day period beginning on the date on which a copy of the notification is provided in an electronic medium pursuant to section 480 of title 10, United States Code.”.

SEC. 1224. EXTENSION AND MODIFICATION OF AUTHORITY TO SUPPORT OPERATIONS AND ACTIVITIES OF THE OFFICE OF SECURITY COOPERATION IN IRAQ.

(a) Extension of Authority.—Subsection (f)(1) of section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (10 U.S.C. 113 note) is amended by striking “fiscal year 2017” and inserting “fiscal year 2018”.

(b) Amount Available.—

(1) In general.—Such section is further amended—

(A) in subsection (c), by striking “fiscal year 2017 may not exceed $70,000,000” and inserting “fiscal year 2018 may not exceed $42,000,000”; and
(B) in subsection (d), by striking “fiscal year 2017” and inserting “fiscal year 2018”.

(2) LIMITATION OF USE OF FY18 FUNDS PENDING PLAN.—Of the amount available for fiscal year 2018 for section 1215 of the National Defense Authorization Act for Fiscal Year 2012, as amended by this section, not more than 50 percent may be obligated or expended until 30 days after the date on which the plan required by the joint explanatory statement to accompany the conference report on S.2943 of the 114th Congress, the National Defense Authorization Act for Fiscal Year 2017, and entitled “To transition the activities conducted by OSC-I but funded by the Department of Defense to another entity or transition the funding of such activities to another source” is provided to the appropriate committees of Congress.

(c) CLARIFICATION OF OSC-I MANDATE AND EXPANSION OF ELIGIBLE RECIPIENTS.—Subsection (f) of such section 1215 is further amended—

(1) in paragraph (1), by striking “training activities in support of Iraqi Ministry of Defense and Counter Terrorism Service personnel” and all that follows and inserting “activities to support the following:
“(A) Defense institution building to mitigate capability gaps and promote effective and sustainable defense institutions.

“(B) Professionalization, strategic planning and reform, financial management, manpower management, and logistics management of military and other security forces with a national security mission.”; and

(2) in paragraph (2)—

(A) in the heading, by striking “OF TRAINING”; and

(B) by striking “training” and inserting “activities of the Office of Security Cooperation in Iraq”.

SEC. 1225. MODIFICATION AND ADDITIONAL ELEMENTS IN ANNUAL REPORT ON THE MILITARY POWER OF IRAN.

(a) IN GENERAL.—Section 1245(b) of the National Defense Authorization Act for Fiscal Year 2010 (10 U.S.C. 113 note) is amended—

(1) in paragraph (5)—

(A) by inserting “and from” after “transfers to”;
(B) by striking “from non-Iranian sources” and inserting “from or to non-Iranian sources or destinations”; and

(C) by inserting before the period at the end the following: “, including transfers that pertain to nuclear development, ballistic missiles, and chemical, biological, and advanced conventional weapons, weapon systems, and delivery vehicles”; and

(2) by adding at the end the following new paragraphs:

“(6) An assessment of the use of civilian transportation assets and infrastructure, including commercial aircraft, airports, commercial vessels, and seaports, used to transport illicit military cargo to or from Iran, including military personnel, military goods, weapons, military-related electric parts, and related components.

“(7) An assessment of military-to-military cooperation between Iran and foreign counties, including Cuba, North Korea, Pakistan, Sudan, Syria, Venezuela, and any other country designated by the Secretary of Defense with additional reference to cooperation and collaboration on the development of nuclear, biological, chemical, and advanced conven-
tional weapons, weapon systems, and delivery vehi-
cles.

“(8) An assessment of the extent to which the
commercial aviation sector of Iran knowingly pro-
vides financial, material, or technological support to
the Islamic Revolutionary Guard Corps, the Ministry
of Defense and Armed Forces Logistics of Iran, the
Bashar al-Assad regime, Hezbollah, Hamas, Kata’ib
Hezbollah, or any other foreign terrorist organiza-
tion.”

(b) EFFECTIVE DATE.—The amendments made by
this section shall take effect on the date of the enactment
of this Act, and shall apply with respect to reports re-
quired to be submitted under section 1245 of the National
Defense Authorization Act for Fiscal Year 2010 after that
date.

SEC. 1226. EXTENSION OF QUARTERLY REPORTS ON CON-
FIRMED BALLISTIC MISSILE LAUNCHES
FROM IRAN AND IMPOSITION OF SANCTIONS
IN CONNECTION WITH THOSE LAUNCHES.

Section 1226(e) of the National Defense Authoriza-
tion Act for Fiscal Year 2017 (Public Law 114–328; 130
Stat. 2487) is amended by striking “December 31, 2019”
and inserting “December 31, 2022”.
SEC. 1227. LIMITATION ON USE OF FUNDS FOR PROVISION OF MAN-PORTABLE AIR DEFENSE SYSTEMS TO THE VETTED SYRIAN OPPOSITION.

(a) LIMITATION.—If a determination is made during fiscal year 2018 to use funds available to the Department of Defense for that fiscal year to provide man-portable air defense systems (MANPADs) to the vetted Syrian opposition pursuant to the authority in section 1209 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3541), such funds may not be used for that purpose until—

(1) the Secretary of Defense and the Secretary of State jointly submit to the appropriate congressional committees a report on the determination; and

(2) 30 days elapse after the date of the submittal of such report to the appropriate congressional committees.

(b) REPORT REQUIREMENTS.—The report under subsection (a) shall set forth the following:

(1) A description of each element of the vetted Syrian opposition that will provided man-portable air defense systems as described in subsection (a), including—
(A) the geographic location of such element;
(B) a detailed intelligence assessment of such element;
(C) a description of the alignment of such element within the broader conflict in Syria; and
(D) a description and assessment of the assurance, if any, received by the commander of such element in connection with the provision of man-portable air defense systems.

(2) The number and type of man-portable air defense systems to be so provided.

(3) The logistics plan for providing and resupplying each element to be so provided man-portable air defense systems with additional man-portable air defense systems.

(4) The duration of support to be provided in connection with the provision of man-portable air defense systems.

(5) The justification for the provision of man-portable air defense systems to each element of the vetted Syrian opposition, including an explanation of the purpose and expected employment of such systems.
(6) Any other matters that the Secretary of Defense and the Secretary of State jointly consider appropriate.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” has the meaning given that term in section 1209(e)(2) of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3541).

SEC. 1228. REPORT ON AGREEMENT WITH THE GOVERNMENT OF THE RUSSIAN FEDERATION ON THE STATUS OF SYRIA.

(a) In general.—Not later than 5 calendar days after reaching any agreement with the Government of the Russian Federation relating to a political settlement or long-term territorial control in Syria, the President shall transmit to Congress a report on the agreement.

(b) Matters to be included.—The report required by subsection (a) shall include—

(1) the text of the agreement, including all related materials and annexes;

(2) a list of all parties to the agreement;

(3) an explanation of each of the terms established by the agreement;
(4) a description of each of the obligations established by the agreement; and

(5) a description of any territorial demarcations, apportionments, or areas of control contemplated by the agreement.

Subtitle D—Matters Relating to the Russian Federation

SEC. 1231. EXTENSION OF LIMITATION ON MILITARY CO-

OPERATION BETWEEN THE UNITED STATES

AND THE RUSSIAN FEDERATION.

Section 1232 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2488) is amended—

(1) in subsection (a)—

(A) by inserting “or 2018” after “fiscal year 2017”; and

(B) by inserting “in the fiscal year concerned” after “may be used”; and

(2) in subsection (c), by inserting “with respect to funds for a fiscal year” after “the limitation in subsection (a)”.

SEC. 1232. PROHIBITION ON AVAILABILITY OF FUNDS RELATING TO SOVEREIGNTY OF THE RUSSIAN FEDERATION OVER CRIMEA.

(a) Prohibition.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for the Department of Defense may be obligated or expended to implement any activity that recognizes the sovereignty of the Russian Federation over Crimea.

(b) Waiver.—The Secretary of Defense, with the concurrence of the Secretary of State, may waive the restriction on the obligation or expenditure of funds required by subsection (a) if the Secretary—

(1) determines that to do so is in the national security interest of the United States; and

(2) submits a notification of the waiver, at the time the waiver is invoked, to the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives and the Committee on Armed Services and the Committee on Foreign Relations of the Senate.

SEC. 1233. SENSE OF CONGRESS ON EUROPEAN SECURITY.

(a) Findings.—Congress finds the following:

(1) Russia’s ongoing aggressive actions, including its invasions of Georgia in 2008 and Ukraine in 2014, threats to North Atlantic Treaty Organization
(NATO) allies, rapid military modernization, advanced anti-access and area denial capabilities, increasing military activity in the Arctic region and Mediterranean Sea, evolving nuclear doctrine and capabilities, and violations of the Intermediate-Range Nuclear Forces Treaty Between the United States of America and the Union of Soviet Socialist Republics and the Treaty on Open Skies, constitute a major challenge to the security interests of the United States and its allies and partners in Europe.

(2) Russia’s ongoing malign influence activities, including misinformation, disinformation, propaganda, cyberattacks, election interference, active measures, and hybrid warfare operations pose not only a threat to the security interests of the United States and its allies and partners in Europe, but to the integrity of Western democracies and the institutions and alliances they support.

(3) Russia’s doctrine of “escalate to de-escalate”, along with its tactical nuclear capabilities, threaten United States forces and European allies and exacerbate the risk of miscalculation and escalation in a crisis.
The European Deterrence Initiative (EDI) continues to improve credible deterrence against Russian aggression by—

(A) training and equipping military forces of NATO allies and European partners;

(B) enhancing the indications and warning, interoperability, and logistics capabilities of United States allies and partners; and

(C) improving the agility and flexibility of partners and allies to address threats across the full spectrum of domains.

A strong NATO alliance is the cornerstone of transatlantic security cooperation and the guarantor of peace and stability in Europe.

The steps taken at the NATO 2014 Wales Summit and the NATO 2016 Warsaw Summit, including the adoption and implementation of the Readiness Action Plan (RAP), the formation of the Very High Joint Readiness Force (VJTF), the Enhanced Forward Presence (EFP) multinational battalions deployed to Estonia, Latvia, Lithuania, and Poland, and the Tailored Forward Presence in Romania and Bulgaria, have strengthened NATO readiness and collective defense.
(7) Montenegro’s accession into NATO is a strong step toward strengthening the alliance, enhancing security and stability in Southeastern Europe, and reaffirming NATO’s commitment to an “Open Door” policy.

(8) Cooperation with non-NATO allies and members of the Partnership for Peace program enhances security and stability in Europe.

(b) **SENSE OF CONGRESS.**—It is the sense of Congress that—

(1) the United States should support a Europe whole, free, and at peace and the sovereign right of all European states to pursue integration into the Euro-Atlantic community through institutions such as NATO and the European Union;

(2) the United States should develop and implement a policy and strategy backed by all elements of United States power to deter and, if necessary, defeat Russian aggression, which will require—

(A) enhancing United States military capability and capacity in Europe, including strong consideration of investments in increased permanently-stationed and continued rotational forces as well as the facilities and infrastructure
necessary to support United States presence and training with its allies and partners; and

(B) strengthening United States capability and capacity to counter malign Russian influence, including Russian hybrid warfare operations short of traditional armed conflict, malicious Russian cyber activities, and Russia’s use of misinformation, disinformation, and propaganda;

(3) investments that support the security and stability of Europe, including the EDI, and support to European countries in further developing their security capabilities, are in the long-term national security interests of the United States, and as such, funds for such efforts should be included in the President’s base budget request for the Department of Defense in order to fully support United States combat capability in Europe, facilitate efficient planning and execution, and ensure budgetary transparency;

(4) the United States should maintain an ironclad commitment to its obligations under Article 5 of the North Atlantic Treaty, which declares that an “armed attack against one or more [NATO allies] shall be considered an attack against them all”;
(5) while NATO allies have made progress toward high levels of defense spending, it is important that all NATO allies fulfill their commitments to levels and composition of defense expenditures as agreed upon at the NATO 2014 Wales Summit and NATO 2016 Warsaw Summit in order to uphold their obligations under Article 3 of the North Atlantic Treaty to “maintain and develop their individual and collective capacity to resist armed attack”;

(6) NATO allies should continue to coordinate defense investments to both improve deterrence against Russian aggression and more appropriately balance defense spending across the alliance; and

(7) because the NATO alliance defends not only the common security of the United States and its NATO allies, but our common values as well, it is essential that all NATO allies uphold their obligations under the North Atlantic Treaty to “safeguard the freedom, common heritage and civilization of their peoples, founded on the principles of democracy, individual liberty and the rule of law”.

SEC. 1234. MODIFICATION AND EXTENSION OF UKRAINE SECURITY ASSISTANCE INITIATIVE.

as amended by section 1237 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2494), is further amended—

(1) in subsection (b), adding at the end the following new paragraphs:

“(12) Treatment of wounded Ukrainian soldiers in the United States in medical treatment facilities through the Secretarial Designee Program, including transportation, lodging, meals, and other appropriate non-medical support in connection with such treatment, and education and training for Ukrainian healthcare specialists such that they can provide continuing care and rehabilitation services for wounded Ukrainian soldiers.

“(13) Air defense and coastal defense radars.

“(14) Naval mine and counter-mine capabilities.

“(15) Littoral-zone and coastal defense vessels.”;

(2) in subsection (c)—

(A) in paragraph (1), by striking “$175,000,000 of the funds available for fiscal year 2017 pursuant to subsection (f)(2)” and inserting “50 percent of the funds available for fiscal year 2018 pursuant to subsection (f)(3)”;

(B) in paragraph (2)—
(i) in the first sentence, by striking “,
and potential opportunities for privatiza-
tion” and inserting “, sustainment, and in-
ventory management”; and

(ii) in the second sentence, by insert-
ing after “additional action is needed” the
following: “and a description of the meth-
odology used to evaluate whether Ukraine
has made progress in defense institutional
reforms relative to previously established
goals and objectives”; and

(C) in paragraph (3)—

(i) by striking “fiscal year 2017” and
inserting “fiscal year 2018”; and

(ii) by striking “, with not more than
$100,000,000 available for the purposes as
follows for any particular country”;

(3) in subsection (f), by adding at the end the
following:

“(3) For fiscal year 2018, $350,000,000.”; and

(4) in subsection (h), by striking “December
31, 2018” and inserting “December 31, 2020”.

SEC. 1235. LIMITATION ON AVAILABILITY OF FUNDS RELATING TO IMPLEMENTATION OF THE OPEN SKIES TREATY.

(a) LIMITATION ON CONDUCT OF FLIGHTS.—

(1) IN GENERAL.—None of the funds authorized to be appropriated by this Act or otherwise made available for any fiscal year after fiscal year 2017 for the Department of Defense for operation and maintenance, Defense-wide, or operation and maintenance, Air Force, may be obligated or expended to conduct any flight during such fiscal year for purposes of implementing the Open Skies Treaty until the date that is seven days after the date on which the President submits to the appropriate congressional committees a plan described in paragraph (2) with respect to such fiscal year.

(2) PLAN DESCRIBED.—The plan described in this paragraph is a plan developed by the Secretary of Defense, in coordination with the Secretary of State, the Chairman of the Joint Chiefs of Staff, and the Director of National Intelligence, that contains a description of the objectives for all planned flights described in paragraph (1) during such fiscal year.

(3) UPDATE.—To the extent necessary and appropriate, the Secretary of Defense, in coordination
with the Secretary of State, the Chairman of the Joint Chiefs of Staff, and the Director of National Intelligence, may update the plan described in paragraph (2) with respect to a fiscal year and submit the updated plan to the appropriate congressional committees.

(4) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term “appropriate congressional committees” means—

(A) the congressional defense committees; and

(B) the Select Committee on Intelligence and Committee on Foreign Relations of the Senate and the Permanent Select Committee on Intelligence and the Committee on Foreign Affairs of the House of Representatives.

(5) SUNSET.—The requirements of this subsection shall terminate on the date that is five years after the date of the enactment of this Act.

(b) PROHIBITION ON ACTIVITIES TO MODIFY UNITED STATES AIRCRAFT.—

(1) IN GENERAL.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for research, development, test, and evaluation, Air Force, for arms...
control implementation (PE 0305145F) or procurement, Air Force, for digital visual imaging system (BA–05, Line Item #1900) may be obligated or expended to carry out any activities to modify any United States aircraft for purposes of implementing the Open Skies Treaty until the Secretary of Defense submits to the appropriate congressional committees the certification described in paragraph (2) and the President submits to the appropriate congressional committees the certification described in paragraph (3).

(2) Certification by Secretary of Defense.—The certification described in this paragraph is a certification that contains a determination of the Secretary of Defense, without delegation, that modification of digital visual imaging systems in United States OC–135 aircraft under the Open Skies Treaty will provide superior digital imagery as compared to digital imagery that is available to the Department of Defense on a commercial basis.

(3) Certification by President.—

(A) In General.—The certification described in this paragraph is a certification of the President that—
(i) the President has imposed treaty violations responses and legal countermeasures on the Russian Federation for its violations of the Open Skies Treaty; and

(ii) the President has fully informed the appropriate congressional committees of such responses and countermeasures.

(B) DELEGATION.—The President may delegate the responsibility for making a certification under subparagraph (A) to the Secretary of the State.

(4) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term “appropriate congressional committees” means—

(A) the congressional defense committees; and

(B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

(e) OPEN SKIES TREATY DEFINED.—In this section, the term “Open Skies Treaty” means the Treaty on Open Skies, done at Helsinki March 24, 1992, and entered into force January 1, 2002.
SEC. 1236. SENSE OF CONGRESS ON IMPORTANCE OF NUCLEAR CAPABILITIES OF NATO.

(a) FINDINGS.—Congress finds the following:

(1) The Warsaw Summit Communique, issued on July 9, 2016, by the North Atlantic Treaty Organization (in this section referred to as “NATO”) clearly defines the need for, and the importance of, the nuclear mission of NATO.

(2) The Warsaw Summit Communique states—

(A) with respect to the nuclear deterrence capability of NATO, “As a means to prevent conflict and war, credible deterrence and defence is essential. Therefore, deterrence and defence, based on an appropriate mix of nuclear, conventional, and missile defence capabilities, remains a core element of our overall strategy. . . The fundamental purpose of NATO’s nuclear capability is to preserve peace, prevent coercion, and deter aggression. Nuclear weapons are unique. Any employment of nuclear weapons against NATO would fundamentally alter the nature of a conflict. The circumstances in which NATO might have to use nuclear weapons are extremely remote”;

(B) with respect to the nature of the nuclear deterrence posture of NATO, “NATO
must continue to adapt its strategy in line with
trends in the security environment—including
with respect to capabilities and other measures
required—to ensure that NATO's overall deter-
rence and defence posture is capable of address-
ing potential adversaries' doctrine and capabili-
ties, and that it remains credible, flexible, resil-
ient, and adaptable.”; and

(C) with respect to the importance of con-
tributions to the nuclear deterrence mission
from across the NATO alliance, “The strategic
forces of the Alliance, particularly those of the
United States, are the supreme guarantee of
the security of the Allies. The independent stra-
tegic nuclear forces of the United Kingdom and
France have a deterrent role of their own and
contribute to the overall security of the Alli-
ance. These Allies’ separate centres of decision-
making contribute to deterrence by compli-
cating the calculations of potential adversaries.
NATO’s nuclear deterrence posture also relies,
in part, on United States’ nuclear weapons for-
ward-deployed in Europe and on capabilities
and infrastructure provided by Allies concerned.
These Allies will ensure that all components of
NATO’s nuclear deterrent remain safe, secure, and effective. That requires sustained leadership focus and institutional excellence for the nuclear deterrence mission and planning guidance aligned with 21st century requirements. The Alliance will ensure the broadest possible participation of Allies concerned in their agreed nuclear burden-sharing arrangements.”.

(3) Secretary of Defense James Mattis, in response to the advance policy questions for his Senate confirmation hearing on January 12, 2017, stated that—

(A) “NATO’s nuclear deterrence posture relies in part on U.S. nuclear weapons forward-deployed in Europe and on capabilities and infrastructure provided by NATO allies. These capabilities include dual-capable aircraft that contribute to current burden-sharing arrangements within NATO. In general, we must take care to maintain this particular capability, and to modernize it appropriately and in a timely fashion.”; and

(B) the role of the nuclear weapons of the United States is “to deter nuclear war and to serve as last resort weapons of self-defense. In
this sense, U.S. nuclear weapons are funda-
mental to our nation’s security and have his-
torically provided a deterrent against aggression
and security assurance to U.S. allies. A robust,
flexible, and survivable U.S. nuclear arsenal un-
derpins the U.S. ability to deploy conventional
forces worldwide.”.

(4) On March 28, 2017, General Curtis
Scaparrotti, Commander of the United States Euro-
pean Command and the Supreme Allied Com-
mander, Europe, testified to the Committee on
Armed Services of the House of Representatives that
“NATO and U.S. nuclear forces continue to be a
vital component of our deterrence. Our moderniza-
tion efforts are crucial; we must preserve a ready,
credible, and safe nuclear capability.”.

(5) The Russian Federation is currently under-
going significant modernization and recapitalization
of all three legs of its nuclear triad, continues to
field and modernize a large variety of non-strategic
nuclear weapons, and is developing and deploying
new and unique nuclear capabilities.

(6) Russia remains in violation of the INF
Treaty due to the development, testing, and, most
recently, the operational deployment of ground-
launched cruise missiles in violation of the INF Treaty.

(7) On March 28, 2017, General Paul Selva, Vice Chairman of the Joint Chiefs of Staff, described the security consequences of the deployment of such INF Treaty-violating missiles, testifying to the Committee on Armed Services of the House of Representatives that “our assessment of the impact is that it more threatens NATO and infrastructure within the European continent than any other...area of the world that we have national interests in or alliance interests in.”.

(8) On March 28, 2017, General Curtis Scaparrotti, in testimony before the Committee on Armed Services of the House of Representatives, responded to a question asking if Russia intends to return to compliance with the INF Treaty by stating, “I don’t have any indication that they will at this time.”.

(9) Rhetoric from Russian officials has demonstrated that Moscow has sought to leverage its nuclear arsenal to threaten and intimidate neighboring countries, including members of NATO, as was the case when the Russian Ambassador to Denmark stated, “Danish warships will be targets for Russian
nuclear missiles” in response to Denmark’s potential cooperation in the NATO missile defense system.

(b) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the nuclear and conventional deterrence capabilities of NATO are of critical importance to the security of the United States and of the NATO alliance, and must continue to adapt to the changed security environment in Europe;

(2) the ability of the United States to forward-deploy dual-capable aircraft and nuclear weapons, and of select members of NATO to participate in the nuclear deterrence mission of NATO by hosting forward-deployed nuclear weapons of the United States or operating dual-capable aircraft, is central to the credibility of the nuclear deterrence and defense posture of NATO;

(3) the strategic forces of the United States, the independent nuclear forces of the United Kingdom and the French Republic, and the dual-capable aircraft operated by the United States and other members of NATO constitute foundational elements of the nuclear deterrence and defense posture of NATO;
(4) NATO should modernize its nuclear-related infrastructure to ensure the highest-level of safety and security;

(5) effective deterrence requires NATO to conduct nuclear planning and exercises aligned with 21st century requirements and modernize nuclear-related capabilities and infrastructure, including dual-capable aircraft, command and control networks, and facilities; and

(6) to ensure the continued credibility of the deterrence and defense posture of NATO, the planned completion of F–35A aircraft development and testing, as well as the delivery of such aircraft to members of NATO, must not be delayed.

SEC. 1237. REPORT ON SECURITY COOPERATION WITH RESPECT TO WESTERN BALKAN COUNTRIES.

(a) In General.—Not later than 180 days after the enactment of this Act, the Secretary of Defense, with the concurrence of the Secretary of State, shall submit to the congressional defense committees and the Committees on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives a report on security cooperation with respect to Western Balkan countries.

(b) Matters to Be Included.—The report required under subsection (a) shall include the following:

(1) An assessment of security cooperation between each Western Balkan country and the Russian Federation, including the following:

(A) A list of Russian weapons systems and other military hardware and technology valued at $1,000,000 or more that have been provided to or purchased by each Western Balkan country since 2012.

(B) A description of the participation of each Western Balkan country’s security forces in training or exercises with the Russian Federation since 2012.
(C) A description of any security cooperation agreements each Western Balkan country has entered into with the Russian Federation.

(D) An assessment of intelligence cooperation between each Western Balkan country and the Russian Federation.

(E) An assessment of how security cooperation between each Western Balkan country and the Russian Federation affects the security interests of the United States, the North Atlantic Treaty Organization (NATO), the Western Balkan country, and each NATO member state that borders the Western Balkan country.

(2) An assessment of security cooperation between each Western Balkan country and the United States, including the following:

(A) A list of United States weapons systems and other military hardware and technology valued at $1,000,000 or more that have been provided to or purchased by each Western Balkan country since 2012.

(B) A description of the participation of each Western Balkan country’s security forces
in training or exercises with the United States since 2012.

(C) A description of any security cooperation agreements each Western Balkan country has entered into with the United States.

(D) An assessment of intelligence cooperation between each Western Balkan country and the United States.

(3) An assessment of security cooperation between each Western Balkan country and NATO.

(4) A description of each Western Balkan country’s participation and activities in NATO’s Partnership for Peace program, if applicable.

(e) FORM.—The report required under subsection (a) shall be submitted in unclassified form, but may include a classified annex.

(d) DEFINITION.—The term “Western Balkan countries” means—

(1) Serbia;
(2) Bosnia and Herzegovina;
(3) Kosovo; and
(4) Macedonia.
SEC. 1238. PLAN TO RESPOND IN CASE OF RUSSIAN NON-COMPLIANCE WITH THE NEW START TREATY.

(a) In General.—Not later than 30 days after the date of the enactment of this Act, the President shall submit to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate a report—

(1) describing the options available in response to a failure by Russia to achieve the reductions required by the New START Treaty before February 5, 2018; and

(2) including the assessment of the Secretary of Defense whether such a failure would constitute a material breach of the New START Treaty, providing grounds for the United States to withdraw from the treaty.

(b) Options Described.—The report required under subsection (a) shall specifically describe options to respond to such a failure relating to the following:

(1) Economic sanctions.

(2) Diplomacy.

(3) Additional deployment of ballistic or cruise missile defense capabilities, or other United States capabilities that would offset any potential Russian military advantage from such a failure.
(4) Redeployment of United States nuclear forces beyond the levels required by the New START Treaty, and the associated costs and impacts on United States operations.

(5) Legal countermeasures available under other treaties between the United States and Russia, including under the Treaty on Open Skies, done at Helsinki March 24, 1992, and entered into force January 1, 2002.

(c) NEW START TREATY.—In this section, the term “New START Treaty” means the Treaty between the United States of America and the Russian Federation on Measures for the Further Reduction and Limitation of Strategic Offensive Arms, signed at Prague April 8, 2010, and entered into force February 5, 2011.

SEC. 1239. STRATEGY TO COUNTER THREATS BY THE RUSSIAN FEDERATION.

(a) STRATEGY REQUIRED.—The Secretary of Defense, in coordination with the Secretary of State and in consultation with each of the Secretaries of the military departments, the Joint Chiefs of Staff, and the commanders of each of the regional and functional combatant commands, shall develop and implement a comprehensive strategy to counter threats by the Russian Federation.

(b) REPORT REQUIRED.—
(1) **IN GENERAL.**—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees a report on the strategy required by subsection (a).

(2) **ELEMENTS.**—The report required by this subsection shall include the following elements:

   (A) An evaluation of strategic objectives and motivations of the Russian Federation.

   (B) A detailed description of Russian threats to the national security of the United States, including threats that may pose challenges below the threshold of armed conflict.

   (C) A discussion of how the strategy complements the National Defense Strategy and the National Military Strategy.

   (D) A discussion of the ends, ways, and means inherent to the strategy.

   (E) A discussion of the strategy’s objectives with respect to deterrence, escalation control, and conflict resolution.

   (F) A description of the military activities across geographic regions and military functions and domains that are inherent to the strategy.
(G) A description of the posture, forward presence, and readiness requirements inherent to the strategy.

(H) A description of the roles of the United States Armed Forces in implementing the strategy, including—

(i) the role of United States nuclear capabilities;

(ii) the role of United States space capabilities;

(iii) the role of United States cyber capabilities;

(iv) the role of United States conventional ground forces;

(v) the role of United States naval forces;

(vi) the role of United States air forces; and

(vii) the role of United States special operations forces.

(I) An assessment of the force requirements needed to implement and sustain the strategy.
(J) A description of the logistical requirements needed to implement and sustain the strategy.

(K) An assessment of the technological research and development requirements needed to implement and sustain the strategy.

(L) An assessment of the training and exercise requirements needed to implement and sustain the strategy.

(M) An assessment of the budgetary resource requirements needed to implement and sustain the strategy through December 31, 2030.

(N) An analysis of the adequacy of current authorities and command structures for countering unconventional warfare.

(O) Recommendations for improving the counter-unconventional warfare capabilities, authorities, and command structures of the Department of Defense.

(P) A discussion of how the strategy provides a framework for future planning and investments in regional defense initiatives, including the European Deterrence Initiative.
(Q) A plan to increase conventional precision strike weapon stockpiles in the United States European Command’s areas of responsibility, which shall include necessary increases in the quantities of such stockpiles that the Secretary of Defense determines will enhance deterrence and warfighting capability of the North Atlantic Treaty Organization forces.

(R) A plan to counter the military capabilities of the Russian Federation, which, in addition to elements the Secretary of Defense determines to be appropriate, shall include recommendations for—

(i) improving the capability of United States Armed Forces to operate in a Global Positioning System (GPS)-denied or GPS-degraded environment;

(ii) improving the capability of United States Armed Forces to counter Russian unmanned aircraft systems, electronic warfare, and long-range precision strike capabilities; and

(iii) countering unconventional capabilities and hybrid threats from the Russian Federation.
(3) FORM.—The report required by this subsection shall be submitted in unclassified form but may contain a classified annex.

SEC. 1239A. STRATEGY TO COUNTER THE THREAT OF MALIGN INFLUENCE BY THE RUSSIAN FEDERATION.

(a) STRATEGY.—

(1) IN GENERAL.—The Secretary of Defense and the Secretary of State, in coordination with the appropriate United States Government officials, shall jointly develop a comprehensive strategy to counter the threat of malign influence by the Russian Federation.

(2) SCOPE OF STRATEGY.—The strategy required by paragraph (1) shall include the following actions:

(A) To attribute, defend against, and counter hybrid warfare operations short of traditional armed conflict against the United States and its allies and partners.

(B) To deter, and respond when necessary, to malicious cyber activities by the Russian Federation.
(C) To identify and defend against the threat of malign influence by the Russian Federation, including actions to counter—

(i) the use of misinformation, disinformation, and propaganda in social and traditional media;

(ii) corrupt or illicit financing of political parties, think tanks, media organizations, and academic institutions; and

(iii) the use of coercive economic tools, including sanctions, market access, cryptocurrencies, and differential pricing, especially in the energy sector.

(D) To promote the core values and principles of the United States, enhance the transatlantic relationship, strengthen good governance and democracy among European allies and partners, and further integration into multilateral institutions underpinning the global order, including the North Atlantic Treaty Organization (NATO) and the European Union.

(b) ELEMENTS.—The strategy required by subsection (a) shall include the following elements:

(1) SECURITY MEASURES.—Actions to counter the use of force, coercion, and other hybrid warfare
operations of the military, intelligence, and other security forces, including irregulars, groups, or individuals, of the Russian Federation, including the following:

(A) Actions to build the military presence and capabilities of military and security forces of the United States and European allies and partners to deter and respond to aggression by the Russian Federation.

(B) Actions to improve indications and warnings, and capabilities to identify and attribute responsibility for the use of force, coercion, or other hybrid warfare operations by the Russian Federation.

(C) Actions to support NATO allies and non-NATO partners in maintaining their sovereignty and territorial integrity.

(2) INFORMATION OPERATIONS.—Actions to counter information operations of the Russian Federation, including the following:

(A) Actions to identify, attribute, and counter malign disinformation, active measures, propaganda, and deception and denial activities of the Russian Federation in the United States
and Europe, through traditional and social media.

(B) To enhance joint, regional, and combined information operations and strategic communication strategies to counter Russian Federation information warfare, malign influence, and propaganda activities and increase cooperation, exercises, and policy development with the NATO Strategic Communications Center of Excellence.

(C) The establishment of interagency mechanisms for the coordination and implementation of the strategy with respect to disinformation, active measures, propaganda, and deception and denial activities of the Russian Federation.

(D) Actions to strengthen the effectiveness of and fully resource the Global Engagement Center to carry out its purpose specified in section 1287(a)(2) of National Defense Authorization Act for Fiscal Year 2017 (22 U.S.C. 2656 note) to lead, synchronize, and coordinate efforts of the Federal Government to recognize, understand, expose, and counter propaganda and disinformation efforts by the Russian Fed-
eration, other foreign governments, and non-
state actors.

(E) Programs to strengthen investigative
journalism and media independence abroad in
countries most vulnerable to malign influence
by the Russian Federation.

(F) Actions to build resilience to
disinformation, active measures, propaganda,
and deception and denial activities of the Rus-
sian Federation in the United States and other
countries vulnerable to malign influence by the
Russian Federation.

(G) Efforts to work with traditional and
social media providers to attribute and counter
the threat of malign influence by the Russian
Federation.

(3) CYBER MEASURES.—Actions to counter the
threat of malign influence by the Russian Federa-
tion in cyberspace, including the following:

(A) To increase inclusion of regional cyber
planning within larger United States joint plan-
ing exercises in the European region and in-
crease joint exercises and policy development
through the NATO Cooperative Cyber Defense
Center of Excellence.
(B) To identify potential areas of cybersecurity collaboration and partnership capabilities with NATO and other European allies and partners.

(C) Programs to educate citizens, information and communications technology experts, and private sector organizations in the United States and abroad to enhance their resilience to malign influence by the Russian Federation in cyberspace.

(4) POLITICAL AND DIPLOMATIC MEASURES.—

Actions to counter malign political influence by the Russian Federation in the United States and among European allies and partners, including the following:

(A) Programs and activities to enhance the resilience of United States democratic institutions and infrastructure at the national and subnational levels.

(B) Programs working through the Department of State and the United States Agency for International Development to promote good governance and enhance democratic institutions abroad, particularly in countries deemed
most vulnerable to malign influence by the Russian Federation.

(C) Actions within the United Nations, the Organization for Security and Cooperation in Europe, and other multi-lateral organizations to counter malign influence by the Russian Federation.

(D) Actions to identify organizations or networks of individuals affiliated or collaborating with the Government of the Russian Federation or proxies of the Russian Federation in the United States or European allies and partners.

(5) Financial Measures.—Actions to counter corrupt and illicit financial networks of the Russian Federation in the United States and abroad, including the following:

(A) Actions to promote the transparency of corrupt and illicit financial transactions of the Russian Federation, and other anti-corruption measures.

(B) Actions to maintain and enhance the focus within the Department of the Treasury on tracing corrupt and illicit financial flows linked to the Russian Federation that interact with
the United States financial system and exposing beneficial ownership and opaque Russia-related business transactions of significant importance.

(C) Actions to build the capacity of financial intelligence units of allies and partners.

(D) Actions to enhance financial intelligence cooperation between the United States and the European Union.

(6) ENERGY SECURITY MEASURES.—Actions to promote the energy security of European allies and partners, and to reduce their dependence on energy imports from the Russian Federation that the Russian Federation uses as a weapon to coerce, intimidate, and influence those countries, including the following:

(A) Actions to develop plans, working with the governments of European allies and partners to enhance energy market liberalization, effective regulation and oversight, energy reliability, and energy efficiency.

(B) Actions to work with the European Union to promote the growth of liquefied natural gas trade and expansion of the gas transport infrastructure in Europe.
(C) Actions to promote a dialogue within the NATO on a coherent, strategic approach to energy security for NATO members and partner nations.

(7) PROMOTION OF VALUES.—Actions to promote United States values and principles to provide a strong, credible alternative to malign influence by the Russian Federation, including the following:

(A) Actions to promote alliance structure, the importance of transatlantic security as it relates to United States national security, and the continued integration of countries within multilateral institutions within Europe.

(B) Public diplomacy and outreach to the people of the Russian Federation.

(e) CONSISTENCY WITH OTHER LAWS.—The strategy required by subsection (a) shall be consistent with the following:

(1) The Countering America’s Adversaries Through Sanctions Act (Public law 115–44).

(2) The Ukraine Freedom Support Act of 2014 (22 U.S.C. 8921 et seq.).


(d) REPORT.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense and the Secretary of State shall jointly submit to the appropriate committees of Congress a report detailing the strategy required by subsection (a).

(e) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In the section the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services, the Committee on Foreign Relations, the Committee on Appropriations, the Committee on the Judiciary, the Committee on Banking, Housing and Urban Affairs, and the Select Committee on Intelligence of the Senate; and

(2) the Committee on Armed Services, the Committee on Foreign Affairs, the Committee on Appropriations, the Committee on the Judiciary, the Committee on Financial Services, and the Permanent Select Committee on Intelligence of the House of Representatives.

SEC. 1241. SHORT TITLE.

This subtitle may be cited as the “Intermediate-Range Nuclear Forces (INF) Treaty Preservation Act of 2017”.

SEC. 1242. FINDINGS.

Congress makes the following findings:

(1) The 2014, 2015, and 2016 Department of State reports entitled, “Adherence to and Compliance with Arms Control, Nonproliferation, and Disarmament Agreements and Commitments”, all stated that the United States has determined that “the Russian Federation is in violation of its obligations under the INF Treaty not to possess, produce, or flight-test a ground-launched cruise missile (GLCM) with a range capability of 500 km to 5,500 km, or to possess or produce launchers of such missiles”.

(2) The 2016 report also noted that “the cruise missile developed by Russia meets the INF Treaty definition of a ground-launched cruise missile with a range capability of 500 km to 5,500 km, and as such, all missiles of that type, and all launchers of
the type used or tested to launch such a missile, are prohibited under the provisions of the INF Treaty’’.

(3) Potential consistency and compliance concerns regarding the INF Treaty noncompliant GLCM have existed since 2008, were not officially raised with the Russian Federation until 2013, and were not briefed to the North Atlantic Treaty Organization (NATO) until January 2014.

(4) The United States Government is aware of other consistency and compliance concerns regarding Russia actions vis-à-vis its INF Treaty obligations.

(5) Since 2013, senior United States officials, including the President, the Secretary of State, and the Chairman of the Joint Chiefs of Staff, have raised Russian noncompliance with the INF Treaty to their counterparts, but no progress has been made in bringing the Russian Federation back into compliance with the INF Treaty.

(6) In April 2014, General Breedlove, the Supreme Allied Commander Europe, correctly stated, “A weapon capability that violates the INF, that is introduced into the greater European land mass, is absolutely a tool that will have to be dealt with . . . It can’t go unanswered.”.
The Department of Defense in its September 2013 report, Report on Conventional Prompt Global Strike Options if Exempt from the Restrictions of the Intermediate-Range Nuclear Forces Treaty Between the United States of America and the Union of Soviet Socialist Republics, stated that it has multiple validated military requirement gaps due to the prohibitions imposed on the United States as a result of its compliance with the INF Treaty.

It is not in the national security interests of the United States to be unilaterally legally prohibited from developing dual-capable ground-launched cruise missiles with ranges between 500 and 5,500 kilometers, while Russia makes advances in developing and fielding this class of weapon systems, and such unilateral limitation cannot be allowed to continue indefinitely.

Admiral Harry Harris, Jr., Commander of the United States Pacific Command, testified before the Senate Armed Services Committee on April 27, 2017, that “[W]e’re in a multi-polar world where we have a lot of countries who are developing these weapons, including China, that I worry about. And I worry about their DF-21 and DF-26 missile programs, their anti-carrier ballistic missile programs,
if you will. INF doesn’t address missiles launched
from ships or airplanes, but it focuses on those land-
based systems. I think there’s goodness in the INF
treaty, anything you can do to limit nuclear weapons
writ-large is generally good. But the aspects of the
INF Treaty that limit our ability to counter Chinese
and other countries’ land-based missiles, I think, is
problematic.”.

(10) A material breach of the INF Treaty by
the Russian Federation affords the United States
the right to invoke legal countermeasures which in-
clude suspension of the treaty in whole or in part.

(11) Article XV of the INF Treaty provides
that “Each Party shall, in exercising its national
sovereignty, have the right to withdraw from this
Treaty if it decides that extraordinary events related
to the subject matter of this Treaty have jeopardized
its supreme interests.”.

SEC. 1243. COMPLIANCE ENFORCEMENT REGARDING RUS-
SION VIOLATIONS OF THE INF TREATY.

(a) SENSE OF CONGRESS.—It is the sense of Con-
gress that—

(1) the actions undertaken by the Russian Fed-
eration in violation of the INF Treaty constitute a
material breach of the treaty;
(2) in light of the Russian Federation’s material breach of the INF Treaty, the United States is legally entitled to suspend the operation of the INF Treaty in whole or in part for so long as the Russian Federation continues to be in material breach; and

(3) for so long as the Russian Federation remains in noncompliance with the INF Treaty, the United States should take actions to encourage the Russian Federation return to compliance, including by—

(A) providing additional funds for the capabilities identified in section 1243(d) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1062); and

(B) seeking additional missile defense assets in the European theater to protect United States and NATO forces from ground-launched missile systems of the Russian Federation that are in noncompliance with the INF Treaty.

(b) AVAILABILITY OF FUNDS.—Of the funds authorized to be appropriated by this Act for fiscal year 2018 for research, development, test, and evaluation, as specified in the funding table in division D, $58,000,000 shall be made available for the development of—
(1) active defenses to counter ground-launched missile systems with ranges between 500 and 5,500 kilometers;

(2) counterforce capabilities to prevent attacks from these missiles; and

(3) countervailing strike capabilities to enhance the capabilities of the United States identified in section 1243(d) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1062).

c) Development of INF Range Ground-Launched Missile System.—

(1) Establishment of a Program of Record.—The Secretary of Defense shall establish a program of record to develop a conventional road-mobile ground-launched cruise missile system with a range of between 500 to 5,500 kilometers, including research and development activities with respect to such cruise missile system.

(2) Report Required.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the cost and schedule for, and feasibility of, modifying United States missile systems in existence or planned as of
such date of enactment for ground launch with a range of between 500 and 5,500 kilometers as compared with the cost and schedule for, and feasibility of, developing a new ground-launched missile using new technology with the same range.

SEC. 1244. NOTIFICATION REQUIREMENT RELATED TO RUSSIAN FEDERATION DEVELOPMENT OF NON-COMPLIANT SYSTEMS AND UNITED STATES ACTIONS REGARDING MATERIAL BREACH OF INF TREATY BY THE RUSSIAN FEDERATION.

(a) Notification by Director of National Intelligence.—

(1) In general.—The Director of National Intelligence shall notify the appropriate congressional committees of any development, deployment, or test of a system by the Russian Federation that the Director determines is inconsistent with the INF Treaty.

(2) Deadline.—A notification under this subsection shall be made not later than 15 days after the date on which the Director makes the determination under this subsection with respect to which the notification is required.

(b) Withholding of Funds.—
(1) IN GENERAL.—An amount equal to $50,000,000 of the amount authorized to be appropriated or otherwise made available to the Department of Defense for operation and maintenance, Defense-wide, for fiscal year 2018 to carry out special mission area activities of the Defense Information Systems Agency shall be withheld from obligation or expenditure until the date on which the President has submitted both the certification described in paragraph (2) and the report described in subsection (e).

(2) CERTIFICATION DESCRIBED.—The certification described in this paragraph is a certification by the President to the appropriate congressional committees of the following:

(A) Each requirement of section 1290 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2538; 22 U.S.C. 2593e) has been fully implemented and is continuing to be fully implemented.

(B) The President has notified the appropriate congressional committees under such section 1290 of the imposition of measures described in subsection (e) of such section with re-
spect to each person identified in a report under subsection (a) of such section, including a detailed description of the imposition of all such measures.

(c) Report on Plan to Impose Additional Sanctions With Respect to the Russian Federation.—

(1) In General.—The President shall develop and submit to the congressional defense committees, the Committee on Foreign Relations and the Committee on Banking, Housing, and Urban Affairs of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report that includes—

(A) a plan to impose the measures described in paragraph (3) with respect to each person described in paragraph (2) by reason of non-compliance by the Russian Federation with the INF Treaty; and

(B) a list of each such person.

(2) Persons Described.—The persons described in this paragraph are individuals who—

(A) the President determines are responsible for ordering or facilitating non-compliance by the Russian Federation with the INF Treaty; or
(B) are senior foreign political figures (as such term is defined in section 1010.605 of title 31, Code of Federal Regulations, as in effect on the date of the enactment of this Act) of the Government of the Russian Federation.

(3) MEASURES DESCRIBED.—The measures described in this paragraph are the following, with respect to a person described in paragraph (2):

(A) Blocking and prohibiting all transactions in property and interests in property of such person, if such property and interests in property are in the United States, come within the United States, or are or come within the possession or control of a United States person.

(B) Inadmissibility to the United States, ineligibility to receive a visa or other documentation to enter the United States, and ineligibility to be admitted or paroled into the United States or to receive any other benefit under the Immigration and Nationality Act (8 U.S.C. 1101 et seq.), and revocation of any visa or other entry documentation.

(C) Prohibiting United States procurement from such person.
(D) Any other sanctions the President determines to be appropriate.

(4) FORM.—The report described in paragraph (1) shall be submitted in unclassified form.

(5) DRAFT REGULATIONS REQUIRED.—Not later than 60 days after the date of the submission of the plan described in paragraph (1), the President shall prescribe in draft form such regulations as may be necessary to impose the measures described in paragraph (3) with respect to each person described in paragraph (2).

SEC. 1245. REVIEW OF RS–26 BALLISTIC MISSILE.

(a) IN GENERAL.—The President, in consultation with the Secretary of State, the Secretary of Defense, the Chairman of the Joint Chiefs of Staff, and the Director of National Intelligence, shall conduct a review of the RS–26 ballistic missile of the Russian Federation.

(b) REPORT REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the President, in consultation with the Secretary of State, the Secretary of Defense, the Chairman of the Joint Chiefs of Staff, and the Director of National Intelligence, shall submit to the appropriate congressional committees a report on the review conducted under subsection (a). The report shall include—
(1) a determination whether the RS–26 ballistic missile is covered under the New START Treaty or would be a violation of the INF Treaty because Russia has flight-tested such missile to ranges covered by the INF Treaty in more than one warhead configuration; and

(2) if the President determines that the RS–26 ballistic missile is covered under the New START Treaty, a determination whether the Russian Federation—

(A) has agreed through the Bilateral Consultative Commission that such a system is limited under the New START Treaty central limits; and

(B) has agreed to an exhibition of such a system.

(c) EFFECT OF DETERMINATION.—If the President, with the concurrence of the Secretary of State, the Secretary of Defense, the Chairman of the Joint Chiefs of Staff, and the Director of National Intelligence, determines that the RS–26 ballistic missile is covered under the New START Treaty and that the Russian Federation has not taken the steps described under subsection (b)(2), the United States Government shall consider for purposes of all policies and decisions that the RS–26 ballistic mis-
sile of the Russian Federation is a violation of the INF
Treaty.

SEC. 1246. DEFINITIONS.

In this subtitle:

(1) Appropriate congressional committees.—The term “appropriate congressional com-
mittees” means—

(A) the Select Committee on Intelligence,
the Committee on Foreign Relations, the Com-
mittee on Armed Services, and the Committee
on Appropriations of the Senate; and

(B) the Permanent Select Committee on
Intelligence, the Committee on Foreign Affairs,
the Committee on Armed Services, and the
Committee on Appropriations of the House of
Representatives.

(2) INF Treaty.—The term “INF Treaty”
means the Treaty between the United States of
America and the Union of Soviet Socialist Republics
on the Elimination of Their Intermediate-Range and
Shorter-Range Missiles, signed at Washington De-
cember 8, 1987, and entered into force June 1,

(3) Intelligence community.—The term
“intelligence community” has the meaning given the
term in section 3(4) of the National Security Act of 1947 (50 U.S.C. 3003(4)).


Subtitle F—Matters Relating to the Indo-Asia-Pacific Region

SEC. 1251. SENSE OF CONGRESS AND INITIATIVE FOR THE INDO-ASIA-PACIFIC REGION.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the security, stability, and prosperity of the Indo-Asia-Pacific region are vital to the national interests of the United States;

(2) the United States should maintain a military capability in the region that is able to project
power, deter acts of aggression, and respond, if necessary, to regional threats;

(3) the defense of the United States and its allies against North Korean or any other aggression remains a top priority;

(4) continuing efforts by the Department of Defense to realign forces, commit additional assets, and increase investments to the Indo-Asia-Pacific region are necessary to maintain a robust United States commitment to the region;

(5) the Secretary of Defense should—

(A) assess the current United States force posture in the Indo-Asia-Pacific region to ensure that the United States maintains an appropriate forward presence in the region;

(B) invest in critical munitions, undersea warfare capabilities, amphibious capabilities, resilient space architectures, missile defense, offensive and defensive cyber capabilities, and other capabilities conducive to operating effectively in contested environments; and

(C) enhance regional force readiness through joint training and exercises, considering contingencies ranging from grey zone to high-end near-peer conflict;
the United States commitment to freedom of navigation, ensuring free access to sea lanes and overflights to the United States naval and air forces, remains a core security interest; and

(7) the United States should continue to engage in the Indo-Asia-Pacific region by strengthening alliances and partnerships, supporting regional institutions and bodies such as the Association of Southeast Asian Nations (ASEAN), building cooperative security arrangements, addressing shared challenges, and reinforcing the role of international law, including respect for human rights.

(b) INDO-ASIA-PACIFIC STABILITY INITIATIVE.—The Secretary of Defense may carry out a program of activities to enhance stability in the Indo-Asia-Pacific region that shall be known as the “Indo-Asia-Pacific Stability Initiative” (in this section referred to as the “Initiative”).

(c) ACTIVITIES.—The activities under the Initiative shall include the following:

(1) Activities to increase the presence and capabilities and enhance the posture of the United States Armed Forces in the Indo-Asia-Pacific region.

(2) Bilateral and multilateral military training and exercises with allies and partner nations in the Indo-Asia-Pacific region.
(3) Activities to improve military and defense infrastructure, logistics, and access in the Indo-Asia-Pacific region in order to enhance the responsiveness and capabilities of the United States Armed Forces in that region.

(4) Activities to enhance the storage and pre-positioning in the Indo-Asia-Pacific region of equipment of the United States Armed Forces.

(5) Activities to build the defense and security capacity—

(A) of the United States Armed Forces in the Indo-Asia-Pacific region; and

(B) of allies and partner nations in the Indo-Asia-Pacific region, under—

(i) section 2282 of title 10, United States Code, or section 333 of such title, relating to the authority to build the capacity of foreign security forces;

(ii) section 332 of title 10, United States Code, relating to defense institution capacity building for friendly foreign countries and international and regional organizations;

(iii) section 1263 of the National Defense Authorization Act for Fiscal Year
2016 (10 U.S.C. 2282 note), relating to
the Southeast Asia Maritime Security Ini-
tiative;

(iv) section 1206 of the Carl Levin
and Howard P. “Buck” McKeon National
Defense Authorization Act for Fiscal Year
2015 (10 U.S.C. 2282 note), relating to
training of security forces and associated
ministries of foreign countries to promote
respect for the rule of law and human
rights; or

(v) any other authority available to
the Secretary of Defense.

(d) GENERAL TRANSFER AUTHORITY.—Funds may
only be made available to carry out this section through
the transfer authority provided under section 1001.

(e) INITIAL ASSESSMENT OF REQUIREMENTS.—

(1) PLAN REQUIRED.—Not later than 90 days
after the date of the enactment of this Act, the Sec-
retary of Defense shall submit to the congressional
defense committees a plan that includes the fol-
lowing:

(A) A detailed description of each project
or activity to be carried out under the Initiative,
including any request of the Commander of the
United States Pacific Command for support, urgent operational need, or emergent operational need.

(B) The amount planned to be obligated or expended on each such project or activity, and the timeline for such obligation or expenditure.

(2) Form.—The plan required under paragraph (1) shall be submitted in unclassified form but may include a classified annex.

(f) Indo-Asia-Pacific Region Defined.—In this subtitle, the term “Indo-Asia-Pacific region” means the region that falls under the responsibility and jurisdiction of United States Pacific Command.

SEC. 1252. REPORT ON STRATEGY TO PRIORITIZE UNITED STATES DEFENSE INTERESTS IN THE Indo-ASIA-PACIFIC REGION.

(a) Extension of Deadline for Strategy.—

Subsection (a) of section 1261 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1072) is amended in the matter preceding paragraph (1) by striking “March 1, 2017” and inserting “March 1, 2018”.

(b) Report Required.—Not later than 90 days after the date on which the President issues the Presidential Policy Directive required under subsection (b) of
such section 1261, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report that contains a strategy to prioritize United States defense interests in the Indo-Asia-Pacific region. The strategy shall be informed by the overall strategy described in subsection (a) and shall address each of the following:

(1) The national security interests of the United States in the Indo-Asia-Pacific region.

(2) The security environment, including threats to global and regional national security interests of the United States emanating from the Indo-Asia-Pacific region such as efforts by China to advance national interests in the region.

(3) The primary objectives and priorities in the Indo-Asia-Pacific region, including—

(A) the military missions necessary to address threats on the Korean Peninsula;

(B) the role of the Department of Defense in the Indo-Asia-Pacific region regarding security challenges posed by China;
(C) the primary objectives and priorities for combating terrorism in the Indo-Asia-Pacific region;

(4) Department of Defense plans, force posture, capabilities, and resources to support United States national security interests and to address any gaps.

(5) The roles of allies, partners, and other countries in achieving United States defense objectives and priorities.

(6) Actions the Department of Defense could take, in cooperation with other Federal departments or agencies, to advance United States national security interests in the Indo-Asia-Pacific region.

(7) Any other matters the Secretary of Defense determines to be appropriate.

(e) FORM.—The report required by subsections (a) shall be submitted in unclassified form, but may contain a classified annex.

SEC. 1253. ASSESSMENT OF UNITED STATES FORCE POSTURE AND BASING NEEDS IN THE INDO-ASIA-PACIFIC REGION.

(a) ASSESSMENT REQUIRED.—

(1) IN GENERAL.—The Secretary of Defense shall conduct an assessment of United States force posture and basing needs in the Indo-Asia-Pacific region.

(2) ELEMENTS.—The assessment required under paragraph (1) shall include the following:

(A) A review of military requirements based on operation and contingency plans, scenarios, capabilities of potential adversaries, and any assessed gaps or shortfalls of the Armed Forces.

(B) A review of current United States military force posture and deployment plans of the United States Pacific Command.

(C) An analysis of potential future realignments of United States forces in the region, including options for strengthening United States presence, access, readiness, training, exercises, logistics, and pre-positioning.

(D) A discussion of any factors that may influence the United States posture.
(E) Any recommended changes to the United States posture in the region.

(F) Any other matters the Secretary of Defense determines to be appropriate.

(b) REPORT.—

(1) IN GENERAL.—Not later than April 1, 2018, the Secretary of Defense shall submit to the congressional defense committees a report that includes the assessment required under subsection (a).

(2) FORM.—The report required under paragraph (1) shall be submitted in unclassified form, but may contain a classified annex.

SEC. 1254. PLAN TO ENHANCE THE EXTENDED DETERRENCE AND ASSURANCE CAPABILITIES OF THE UNITED STATES IN THE ASIA-PACIFIC REGION.

(a) FINDING.—Congress recognizes that Democratic People’s Republic of Korea successful test of an intercontinental ballistic missile (ICBM) and nuclear explosive tests constitute a grave and imminent threat to United States security and to the security of United States allies and partners in the Asia-Pacific region.

(b) SENSE OF CONGRESS.—It is the sense of Congress that—
(1) the nuclear and missile program of North Korea is one of the most dangerous national security threats facing the United States today and the defense of the Republic of Korea and Japan must remain a top priority for the administration;

(2) given the threat posed by North Korea to our allies, the United States maintains an unwavering and steadfast commitment to the policy of extended deterrence, especially with respect to South Korea and Japan;

(3) the Department of Defense’s Nuclear Posture Review that is to be completed in 2017 should fully consider—

   (A) the perspectives of key allies and partners of the United States in the Asia-Pacific region; and

   (B) actions to reassure South Korea and Japan of the enduring commitment of the United States to provide its full range of defensive capabilities;

   (4) bilateral extended deterrence dialogues and discussions with South Korea and Japan are of great value to the United States and its allies and partners in the Asia-Pacific region and must remain a central component of these relationships;
(5) the United States must sustain and modernize current United States nuclear capabilities to ensure the extended deterrence commitments of the United States remain credible and executable; and

(6) the timely development, production, and deployment of modern nuclear-capable aircraft are fundamental to ensure that the United States remains able to meet extended deterrence requirements in the Asia-Pacific region far into the future.

(c) PLAN.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Commander of the United States Pacific Command and the Commander of the United States Strategic Command, shall submit to the congressional defense committees a plan to enhance the extended deterrence and assurance capabilities of the United States in the Asia-Pacific region.

(d) MATTERS TO BE INCLUDED.—Such plan shall include consideration of actions that will enhance United States security by strengthening deterrence of North Korean aggression and providing increased assurance to United States allies in the Asia-Pacific region, including the following:

(1) Increased visible presence of key United States military assets, such as missile defenses, long-
range strike assets, and intermediate-range strike
assets to the region.

(2) Increased military cooperation, exercises,
and integration of defenses with allies in the region.

(3) Increased foreign military sales to allies in
the region.

(4) Planning for, exercising, or deploying dual-
capable aircraft to the region.

(5) Any necessary modifications to the United
States nuclear force posture, including re-deploy-
ment of submarine-launched nuclear cruise missiles
to the region.

(6) Such other actions the Secretary considers
appropriate to strengthen extended deterrence and
assurance in the region.

(e) FORM.—Such plan shall be submitted in unclassi-
ified form, but may contain a classified annex.

(f) RULE OF CONSTRUCTION.—Nothing in this sec-
tion may be construed to alter the shared goal of the
United States, South Korea, and Japan for a
denuclearized Korean Peninsula.
It is the sense of Congress that—

(1) the United States values its alliances with the Governments of Japan and the Republic of Korea, based on shared values of democracy, the rule of law, free and open markets, and respect for human rights;

(2) the United States reaffirms its commitment to these alliances with Japan and South Korea, which are cornerstones for the preservation of peace and stability in the Indo-Asia-Pacific region and throughout the world;

(3) the United States recognizes the substantial financial commitments of Japan and South Korea to the maintenance of United States forces in these countries, making them among the most significant burden-sharing partners of the United States;

(4) the United States, South Korea, and Japan are indispensable partners in tackling global challenges, including combating the proliferation of weapons of mass destruction, preventing piracy, assisting the victims of conflict and disaster worldwide,
safeguarding maritime security, and ensuring freedom of navigation, commerce, and overflight in the Indo-Asia-Pacific region;

(5) the United States reaffirms its commitment to Article V of the Treaty of Mutual Cooperation and Security between the United States of America and Japan, which applies to the Japanese-administered Senkaku Islands;

(6) although the United States Government does not take a position on sovereignty of the Senkaku Islands, the United States acknowledges that the islands are under the administration of Japan and opposes any unilateral actions that would seek to undermine their administration by Japan, and any such unilateral actions of a third party will not affect United States’ acknowledgement of the administration of Japan over the Senkaku Islands;

(7) the United States supports continued strengthening of defense cooperation with Japan in accordance with the 2015 U.S.-Japan Defense Guidelines and additional measures to strengthen this defense cooperation, including by expanding foreign military sales, establishing new cooperative technology development programs, increasing military exercises, or other actions as appropriate;
(8) the United States and South Korea share deep concerns that the nuclear and ballistic missile programs of North Korea and its repeated provocations pose great threats to peace and stability on the Korean Peninsula, and the United States recognizes that South Korea has made important commitments to the bilateral security alliance, including by hosting a Terminal High Altitude Area Defense (THAAD) system;

(9) the United States and South Korea should continue further defense cooperation, by enhancing mutual security based on the Mutual Defense Treaty between the United States and the Republic of Korea and investing in capabilities critical to the combined defense;

(10) the United States should closely consult and coordinate with South Korea on measures to strengthen the alliance and defend against provocations committed by the North Korean regime;

(11) the United States welcomes greater security cooperation with, and among, Japan and South Korea to promote mutual interests and address shared concerns, including the bilateral military intelligence-sharing pact between Japan and South Korea, signed on November 23, 2016, and the tri-
lateral intelligence sharing agreement between the
United States, Japan, and South Korea, signed on
December 29, 2015; and

(b) recognizes that North Korea poses a
threat to each of the United States, Japan, and
South Korea, and that the security of the three
countries is intertwined, the United States welcomes
and encourages deeper trilateral defense coordina-
tion and cooperation, including through expanded
exercises, training, and information sharing that
strengthens integration.

SEC. 1256. STRATEGY ON NORTH KOREA.

(a) REPORT ON STRATEGY REQUIRED.—Not later
than 90 days after the date of the enactment of this Act,
the President shall submit to Congress a report setting
forth the strategy of the United States with respect to
North Korea.

(b) ELEMENTS.—The report required by subsection
(a) shall include the following:

(1) A description and assessment of the pri-
mary threats to United States national security in-
terests from North Korea.

(2) A description of known foreign nation, for-

growth entity, or individual violations of current United
Nations sanctions against North Korea, together
with parameters for determining whether and on what timeline it serves United States interests to target such violators with unilateral secondary sanctions.

(3) A description of the diplomatic, economic, and trade relationships between China and North Korea and between Russia and North Korea, including trends in such relationships and their impact on the Government of North Korea.

(4) An identification of the diplomatic, economic, and security objectives for the Korean Peninsula and the desired end state in North Korea with respect to the security threats emanating from North Korea.

(5) A detailed roadmap to reach the objectives and end state identified pursuant to paragraph (4), including timelines for each element of the roadmap.

(6) A description of the unilateral and multilateral options available to the United States regarding North Korea, together with an assessment of the degree to which such options would impose costs on North Korea.

(7) A description of the resources and authorities necessary to carry out the roadmap described in paragraph (5).
(8) A description of operational plans and associated military requirements for the protection of United States interests with respect to North Korea.

(9) An identification of any capability or resource gaps that would affect the implementation of the strategy described in subsection (a), and a mitigation plan to address such gaps.

(10) An assessment of current and desired partner contributions to countering threats from North Korea, and a plan to enhance cooperation among countries with shared security interests with respect to North Korea.

(11) Any other matters the President considers appropriate.

(c) Annual Updates.—The President shall submit to Congress in writing on an annual basis a report describing and assessing progress in the implementation of the strategy described in subsection (a).

(d) Form.—The report under subsection (a) and each report under subsection (c) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1257. NORTH KOREAN NUCLEAR INTERCONTINENTAL BALLISTIC MISSILES.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall provide
to the congressional defense committees a briefing on the hazards or risks posed directly or indirectly by the nuclear ambitions of North Korea, focusing upon—

(1) the development and deployment of intercontinental ballistic missiles or nuclear weapons;

(2) the consequences to the United States, the interests of the United States, and allies of the United States of North Korea’s nuclear and missile programs;

(3) a plan to deter and defend against such threats from North Korea;

(4) protecting vital interest and capabilities of the United States in space from such threats from North Korea; and

(5) the potential damage or destruction caused by electromagnetic pulse weapons.

SEC. 1258. ADVANCEMENTS IN DEFENSE COOPERATION BETWEEN THE UNITED STATES AND INDIA.

(a) In General.—Section 1292(a) of the National Defense Authorization Act for the Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2559; 22 U.S.C. 2751 note) is amended—

(1) in paragraph (1)—

(A) in subparagraph (E), by inserting before the semicolon at the end the following: “,
and to advance the Communications Interoperability and Security Memorandum of Agreement and The Basic Exchange and Cooperation Agreement for Geospatial Cooperation’’;

(B) in subparagraph (H), by striking “and” at the end;

(C) in subparagraph (I), by striking the period at the end and inserting “, including common security, and to enhance role of United States partners and allies in the defense relationship between the United States and India;”;

and

(D) by adding at the end the following new subparagraphs:

“(J) support joint exercises, operations, and patrols and mutual defense planning with India;

“(K) work with representatives of the Government of the Islamic Republic of Afghanistan and the Government of India to promote stability and development in Afghanistan; and

“(L) support such other matters with respect to defense and security cooperation with India that the Secretary of Defense or the Secretary of State consider appropriate.”;
(2) in paragraph (2), by adding at the end the following new sentence: “The report shall also include a forward-looking strategy on enhancing defense and security cooperation with India.”; and

(3) by adding at the end the following new paragraph:

“(3) REPORT FORM.—The report required by paragraph (2) shall be submitted in unclassified form, but may include a classified annex.”.

(b) INTERAGENCY DEFINITION OF INDIA AS MAJOR DEFENSE PARTNER.—The Secretary of Defense, the Secretary of State, and the Secretary of Commerce shall jointly produce a common definition that recognizes India’s status as a “Major Defense Partner” for joint use by the Department of Defense, the Department of State, and the Department of Commerce.

(c) RESPONSIBILITY FOR ENHANCED COOPERATION.—

(1) DESIGNATION OF RESPONSIBLE INDIVIDUAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense and the Secretary of State jointly shall make the designation required by paragraph (1)(B) of section 1292(a) of the National Defense Authorization Act for Fiscal Year 2017.
(2) ADDITIONAL DUTIES.—Paragraph (1)(B) of section 1292(a) of the National Defense Authorization Act for Fiscal Year 2017 is amended—

(A) in clause (i), by striking “and” at the end;

(B) in clause (ii), by adding “and” at the end; and

(C) by adding at the end the following new clause:

“(iii) to promote United States defense trade with India for the benefit of job creation and commercial competitiveness in the United States;”.

(3) BRIEFINGS.—Not later than 90 days after the date of the enactment of this Act, and every year thereafter, appropriate officials of the Office of the Secretary of Defense and appropriate officials of the Department of State shall brief the appropriate committees of Congress on the actions of the Department of Defense and the Department of State, respectively, to promote defense cooperation between the United States and India and the duties specified in paragraph (1)(B) of section 1292(a) of the National Defense Authorization Act for Fiscal Year 2017 (as amended by paragraph (2) of this sub-
section). The requirement for briefings under this paragraph shall cease on the date of the designation of an individual pursuant to paragraph (1).

(4) Appropriate committees of Congress defined.—In this subsection, the term “appropriate committees of Congress” means—

(A) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(B) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1259. STRENGTHENING THE DEFENSE PARTNERSHIP BETWEEN THE UNITED STATES AND TAIWAN.

(a) Statement of policy.—It is the policy of the United States to reinforce its commitments to Taiwan under the Taiwan Relations Act and consistent with the “Six Assurances” as both governments work to improve Taiwan’s self-defense capability.

(b) Sense of Congress.—It is the sense of Congress that the United States should—

(1) strengthen and enhance its longstanding partnership and cooperation with Taiwan;

(2) conduct regular transfers of defense articles and defense services necessary to enable Taiwan to
maintain a sufficient self-defense capability, based
solely on the needs of Taiwan;

(3) invite the military forces of Taiwan to par-

ticipate in military exercises, such as the “Red
Flag” exercises;

(4) carry out a program of exchanges of senior
military officers and senior officials with Taiwan to
improve military-to-military relations, as expressed
in section 1284 of the National Defense Authoriza-
tion Act for Fiscal Year 2017 (Public Law 114–328;
130 Stat. 2544);

(5) support expanded exchanges focused on
practical training for Taiwan personnel by and with
United States military units, including exchanges
among services;

(6) conduct bilateral naval exercises, to include
pre-sail conferences, in the western Pacific Ocean
with the Taiwan navy; and

(7) consider the advisability and feasibility of
reestablishing port of call exchanges between the
United States navy and the Taiwan navy.

SEC. 1259A. NORMALIZING THE TRANSFER OF DEFENSE AR-
TICLES AND DEFENSE SERVICES TO TAIWAN.

(a) SENSE OF CONGRESS.—It is the sense of Con-
gress that any requests from the Government of Taiwan
for defense articles and defense services should receive a
case-by-case review by the Secretary of Defense, in con-
sultation with the Secretary of State, that is consistent
with the standard processes and procedures in an effort
to normalize the arms sales process with Taiwan.

(b) REPORT.—

(1) IN GENERAL.—Not later than 120 days
after the date on which the Secretary of Defense re-
ceives a Letter of Request from Taiwan with respect
to the transfer of a defense article or defense service
to Taiwan, the Secretary, in consultation with the
Secretary of State, shall submit to the appropriate
congressional committees a report that includes—

(A) the status of such request;

(B) if the transfer of such article or service
would require a certification or report to Con-
gress pursuant to any applicable provision of
section 36 of the Arms Export Control Act (22
U.S.C. 2776), the status of any Letter of Offer
and Acceptance the Secretary of Defense in-
tends to issue with respect to such request; and

(C) an assessment of whether the transfer
of such article or service would be consistent
with United States obligations under the Tai-
wan Relations Act (Public Law 96–8; 22 U.S.C. 3301 et seq.).

(2) ELEMENTS.—Each report required under paragraph (1) shall specify the following:

(A) The date the Secretary of Defense received the Letter of Request.

(B) The value of the sale proposed by such Letter of Request.

(C) A description of the defense article or defense service proposed to be transferred.

(D) The view of the Secretary of Defense with respect to such proposed sale and whether such sale would be consistent with United States defense initiatives with Taiwan.

(3) FORM.—Each report required under paragraph (1) shall be submitted in unclassified form but may contain a classified annex.

(c) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, and every 180 days thereafter, the Secretary of Defense, in coordination with the Secretary of State, shall provide a briefing to the appropriate congressional committees with respect to the security challenges faced by Taiwan and the military cooperation between the United States and Taiwan, including a description of any requests from Taiwan for the
transfer of defense articles or defense services and the sta-

tus, whether signed or unsigned, of any Letters of Offer

and Acceptance with respect to such requests.

(d) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMIT-

TEES.—The term “appropriate congressional com-

mittees” means—

(A) the Committee on Armed Services and

the Committee on Foreign Affairs of the House

of Representatives; and

(B) the Committee on Armed Services and

the Committee on Foreign Relations of the Sen-

ate.

(2) DEFENSE ARTICLE; DEFENSE SERVICE.—

The terms “defense article” and “defense service”

have the meanings given such terms in section 47 of

the Arms Export Control Act (22 U.S.C. 2794).

(3) LETTER OF REQUEST; LETTER OF OFFER

AND ACCEPTANCE.—The terms “Letter of Request”

and “Letter of Offer and Acceptance” have the

meanings given such terms for purposes of Chapter

5 of the Security Assistance Management Manual of

the Defense Security Cooperation Agency, as in ef-

fect on the date of the enactment of this Act.
SEC. 1259B. ASSESSMENT ON UNITED STATES DEFENSE IMPLICATIONS OF CHINA’S EXPANDING GLOBAL ACCESS.

(a) ASSESSMENT.—

(1) IN GENERAL.—The Secretary of Defense, in consultation with the Secretary of State, shall assess the foreign military and non-military activities of the People’s Republic of China that could affect the regional and global national security and defense interests of the United States.

(2) ELEMENTS.—The assessment required by paragraph (1) shall evaluate the following:

(A) The expansion by China of military and non-military means in the Indo-Asia-Pacific region and globally, including influence campaigns, loans, access to military equipment, military training, tourism, media, investment projects, infrastructure, and access to foreign ports and military bases, and whether such means could affect United States national security or defense interests, including operational access.

(B) The implications, if any, of such means for the military force posture, access, training, and logistics of both the United States and China.
(C) The United States strategy and policy for mitigating any harmful effects resulting from such means.

(D) The resources required to implement such strategy and policy, and the plan to address and mitigate any gaps in capabilities or resources necessary for such implementation of the policy and strategy.

(E) Measures to bolster the roles of allies, partners, and other countries to implement such strategy and policy.

(F) Any other matters the Secretary of Defense or the Secretary of State determines to be appropriate.

(3) REPORT REQUIRED.—

(A) IN GENERAL.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Secretary of State, shall submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report on the assessment required under subsection (b).
(B) Form.—The report required by this paragraph shall be submitted in unclassified form, but may contain a classified annex.

SEC. 1259C. AGREEMENT SUPPLEMENTAL TO COMPACT OF FREE ASSOCIATION WITH PALAU.

(a) Approval of Agreement Supplemental to Compact.—

(1) In general.—Subject to the availability of appropriations that meet the total financial obligations for such purpose, the Compact Review Agreement and appendices signed by the United States and the Republic of Palau on September 3, 2010, in connection with section 432 of the Compact of Free Association with Palau (Public Law 99–658; 48 U.S.C. 1931 note) are approved.

(2) Funding schedule.—The Compact Review Agreement includes a funding schedule that is to be modified by the parties to the Compact Review Agreement, and such funding schedule (as so modified) is approved. The Compact Review Agreement, appendices, and funding schedule (as so modified) are referred to hereinafter as the “Agreement”.

(b) Status of Prior Year Payments.—Amounts provided to the Government of Palau by the Government of the United States in fiscal years 2011 through 2017
shall also be considered as funding to implement the Agreement.


SEC. 1259D. STUDY ON UNITED STATES INTERESTS IN THE FREELY ASSOCIATED STATES.

(a) STUDY REQUIRED.—The Secretary of Defense shall enter into an agreement with an appropriate independent entity to conduct a study and assessment of United States security and foreign policy interests in the Freely Associated States of the Republic of Palau, the Republic of the Marshall Islands, and the Federated States of Micronesia.

(b) ELEMENTS.—The study required pursuant to subsection (a) shall address the following:

(1) The role of the Compacts of Free Association in promoting United States defense and foreign policy interests, including the United States defense posture and plans.

(2) The status of the obligations of the United States and the Freely Associated States under the Compacts of Free Association.
(3) The economic assistance practices of the People’s Republic of China in the Freely Associated States, and the implications of such practices for United States defense and foreign policy interests in the Freely Associated States and the Pacific region.

(4) The economic assistance practices of other countries in the Freely Associated States, as determined by the Comptroller General, and the implications of such practices for United States defense and foreign policy interests in the Freely Associated States and the Pacific region.

(5) Any other matters the Secretary considers appropriate for purposes of the study.

(e) DEPARTMENT OF DEFENSE SUPPORT.—The Secretary shall provide the entity conducting the study pursuant to subsection (a) with timely access to appropriate information, data, resources, and analysis so that the entity may conduct a thorough and independent assessment of the matters covered by the study, including the matters specified in subsection (b).

(d) REPORT.—

(1) IN GENERAL.—Not later than December 1, 2018, the Secretary shall submit to the congressional defense committees a report setting forth the
results of the study conducted pursuant to subsection (a).

(2) Form.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

Subtitle G—Reports

SEC. 1261. MODIFICATION OF ANNUAL REPORT ON MILITARY AND SECURITY DEVELOPMENTS INVOLVING THE PEOPLE’S REPUBLIC OF CHINA.

Subsection (b) of section 1202 of the National Defense Authorization Act for Fiscal Year 2000 (Public Law 106–65; 10 U.S.C. 113 note), as most recently amended by section 1271 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2538), is further amended by adding at the end the following:

“(23) Any Chinese laws, regulations, or policies that could jeopardize the economic security of the United States.”.

SEC. 1262. MODIFICATIONS TO ANNUAL UPDATE OF DEPARTMENT OF DEFENSE FREEDOM OF NAVIGATION OPERATIONS REPORT.

(a) In General.—
(1) Scope of report.—Subsection (a) of section 1275 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2540) is amended by inserting “or have not been so challenged” after “international law”.

(2) Unchallenged claims.—Subsection (b) of such section 1275 is amended by adding at the end the following:

“(4) For each country identified under paragraph (1), the types of any excessive maritime claims by such country that have not been challenged by the United States under the program referred to in subsection (a).

“(5) A list of each country, other than a country identified under paragraph (1), making excessive maritime claims that have not been challenged by the United States under the program referred to in subsection (a) and the types and natures of such claims.”.

(b) Effective date.—The amendments made subsection (a) take effect of the date of the enactment of this Act and apply with respect to each report required to be submitted under section 1275 of the National Defense Authorization Act for Fiscal Year 2017 on or after such date of enactment.
SEC. 1263. REPORT ON STRATEGY TO DEFEAT AL-QAEDA, THE TALIBAN, THE ISLAMIC STATE OF IRAQ AND SYRIA (ISIS), AND THEIR ASSOCIATED FORCES AND CO-BELLIGERENTS.

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the President shall submit to the appropriate congressional committees a report on the United States strategy to defeat Al-Qaeda, the Taliban, the Islamic State of Iraq and Syria (ISIS), and their associated forces and co-belligerents.

(b) ELEMENTS.—The report required under subsection (a) shall include the following:


(2) An analysis of the estimated defense and non-defense budgetary resources through fiscal year 2022 necessary to accomplish the strategy described in subsection (a).
(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees; and

(2) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1264. REPORT ON AND NOTICE OF CHANGES MADE TO THE LEGAL AND POLICY FRAMEWORKS FOR THE UNITED STATES’ USE OF MILITARY FORCE AND RELATED NATIONAL SECURITY OPERATIONS.

(a) INITIAL REPORT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the President shall submit to the appropriate congressional committees a report on the legal and policy frameworks for the United States’ use of military force and related national security operations.

(2) MATTERS TO BE INCLUDED.—The report required by paragraph (1) shall include the legal, factual, and policy justifications for any changes made to such legal and policy frameworks during the period beginning on January 20, 2017, and ending on the date the report is submitted.
(b) Notice Required.—Not later than 30 days after the date on which a change is made to the legal and policy frameworks described in subsection (a)(1), the President shall notify the appropriate congressional committees of such change, including the legal, factual, and policy justification for such change.

(c) Form.—The report required by subsection (a) and each notice required by subsection (b) shall be submitted in unclassified form, but may contain a classified annex.

(d) Appropriate Congressional Committees Defined.—In this section, the term “appropriate congressional committees” means—

(1) the Committee on Armed Services, the Committee on Appropriations, the Committee on Foreign Relations, and the Select Committee on Intelligence of the Senate; and

(2) the Committee on Armed Services, the Committee on Appropriations, the Committee on Foreign Affairs, and the Permanent Select Committee on Intelligence of the House of Representatives.
SEC. 1265. REPORT ON MILITARY ACTION OF SAUDI ARABIA AND ITS COALITION PARTNERS IN YEMEN.

(a) In General.—Not later than 180 days after the date of the enactment of this Act, and annually thereafter for 2 years, the Secretary of Defense and the Secretary of State shall jointly submit to the appropriate congressional committees a report on military action of Saudi Arabia and its coalitions partners in Yemen.

(b) Matters to Be Included.—The report required by subsection (a) shall include a description of the following:

(1) The extent to which the Government of Saudi Arabia and its coalition partners in Yemen are taking demonstrable actions to—

(A) reduce the risk of harm to civilians and civilian objects, in compliance with obligations under international humanitarian law, including by minimizing harm to civilians, discriminating between civilian objects and military objectives, and exercising proportional use of force;

(B) facilitate the flow of humanitarian aid and commercial goods into Yemen, including commercial fuel and commodities not subject to sanction or prohibition under United Nations Security Council Resolution 2216 (2015); and
(C) target al Qaeda in the Arabian Peninsula and affiliates of the Islamic State of Iraq and Syria as part of the coalition’s military operations in Yemen.

(2) The role of United States military personnel with respect to operations of such coalition partners in Yemen.

(3) Progress made by the Government of Saudi Arabia and its coalition partners in avoiding and investigating, if necessary, civilian casualties, including improvements to—

(A) targeting methodology;

(B) the strike approval process; and

(C) training of personnel, including by implementing the recommendations of the Joint Incident Assessment Team.

(4) Progress made to support implementation of the provisions of United Nations Security Council Resolution 2216 (2015) that call for the observance of applicable international humanitarian and human rights laws and the unimpeded provision of humanitarian assistance to those in need in Yemen.

(5) Any other matters the Secretary of Defense and the Secretary of State determine to be relevant.
(c) **Form.**—The report required by subsection (a) shall be submitted in unclassified form, but may contain a classified annex.

(d) **Appropriate Congressional Committees Defined.**—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees; and

(2) the Committee on Foreign Affairs of the House of Representatives and the Committee on Foreign Relations of the Senate.

SEC. 1266. **Submittal of Department of Defense Supplemental and Cost of War Execution Reports on Quarterly Basis.**

Subsection (c) of section 1221 of the National Defense Authorization Act for Fiscal Year 2006 (10 U.S.C. 113 note) is amended to read as follows:

“(c) **Quarterly Submittal to Congress and GAO of Certain Reports on Costs.**—Not later than 45 days after the end of each fiscal year quarter, the Secretary of Defense shall submit to the congressional defense committees and the Comptroller General of the United States the Department of Defense Supplemental and Cost of War Execution report for such fiscal year quarter.”
SEC. 1267. CONSOLIDATION OF REPORTS ON UNITED STATES ARMED FORCES, CIVILIAN EMPLOYEES, AND CONTRACTORS DEPLOYED IN SUPPORT OF OPERATION INHERENT RESOLVE, OPERATION FREEDOM’S SENTINEL, AND ASSOCIATED AND SUCCESSOR OPERATIONS.

(a) Reports Required.—Not later than 30 days after the date of the enactment of this Act, and every 90 days thereafter, the Secretary of Defense shall submit to the congressional defense committees a report on United States Armed Forces, Department of Defense civilian employees, and Department of Defense contractor employees deployed in support of the following:

(1) Operation Inherent Resolve.

(2) Operation Freedom’s Sentinel.

(3) Any operation associated with, or successor to, an operation referred to in paragraph (1) or (2).

(b) Elements.—Each report under subsection (a) shall include the following:

(1) The number of members of the United States Armed Forces, set forth by Armed Force and component (whether regular, National Guard, or Reserve), Department of Defense civilian employees, and Department of Defense contractor employees deployed in support of the operations covered by subsection (a) for the most recent month for which
data is available, and a description of the functions
performed by such deployed personnel.

(2) An estimate for the 3-month period fol-
lowing the date on which the report is submitted of
the total number of members of the United States
Armed Forces, set forth by Armed Force and com-
ponent (whether regular, National Guard, or Re-
serve), Department civilian employees, and Depart-
ment contractor employees to be deployed in support
of the operations covered by subsection (a), and a
description of the functions to be performed by such
deployed personnel during such period.

(3) A description of any limitations on the
number of United States Armed Forces, Department
civilian employees, and Department contractor em-
ployees deployed in support of the operations covered
by subsection (a).

(4) A description of military functions that are
and are not subject to the limitations described in
paragraph (3).

(5) The number of members of the United
States Armed Forces, set forth by Armed Force and
component (whether regular, National Guard, or Re-
serve), Department civilian employees, and Depart-
ment contractor employees deployed in support of
the operations covered by subsection (a) that are not subject to the limitations described in paragraph (3) for the most recent month for which data is available.

(6) Any changes to the limitations described in paragraph (3), and the rationale for such changes.

(7) Any other matters the Secretary considers appropriate.

(e) MANNER OF PRESENTATION.—Each report under subsection (a) shall set forth each element specified in subsection (b)—

(1) with respect to each operation covered by subsection (a); and

(2) with respect to each country in which each such operation is being conducted.

(d) FORM.—If any report under subsection (a) is submitted in classified form, such report shall be accompanied by an unclassified summary that includes, at a minimum, the information required by subsection (b)(1).

(e) SUNSET.—The requirement to submit reports under this section shall terminate on the earlier of—

(1) the date on which all operations covered by subsection (a) have terminated; or

(2) the date that is five years after the date of the enactment of this Act.
(f) Repeal of Superceded Provision.—Section 1224 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1053) is repealed.

SEC. 1268. COMPTROLLER GENERAL OF THE UNITED STATES REPORT ON PRICING AND AVAILABILITY WITH RESPECT TO FOREIGN MILITARY SALES.

(a) Report Required.—Not later than one year after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the appropriate committees of Congress a report on pricing and availability with respect to foreign military sales. The report shall include the following:

(1) An assessment of the purpose and role of pricing and availability within the foreign military sales process.

(2) An assessment of the guidance provided by the Department of Defense for the preparation of pricing and availability data for foreign military sales.

(3) An assessment of the assumptions, estimations, and sources of data used by the Department in the preparation of pricing and availability data for foreign military sales.
(4) An assessment of the degree of accuracy and transparency provided by the Department in preparing pricing and availability data during the foreign military sales process.

(5) An assessment of the factors that may account for discrepancies between prices of major items or services offered by the Department in pricing and availability data provided to foreign governments for foreign military sales and prices offered by relevant United States commercial entities for similar items or services, including—

(A) a description of the magnitude of the extent of differences in such prices; and

(B) a description of common discrepancies that account for such differences, including Department administrative fees, cost for training and spares, and other factors, including recurring factors.

(6) An assessment of the extent to which the Department has identified instances where discrepancies in pricing for major items or services resulted in the loss of a foreign military sale for a United States commercial entity.

(7) Any other matters the Comptroller General considers appropriate.
(b) BRIEFINGS.—The Comptroller General shall pro-
vide periodic briefings to the appropriate committees of
Congress on any preliminary findings and recommenda-
tions of the Comptroller General as a result of work in
furtherance of the report required by subsection (a).

(c) APPROPRIATE COMMITTEES OF CONGRESS DE-
FINED.—In this section, the term “appropriate commit-
tees of Congress” means—

(1) the Committee on Armed Services and the
Committee of Foreign Relations of the Senate; and

(2) the Committee on Armed Services and the
Committee on Foreign Affairs of the House of Rep-
resentatives.

SEC. 1269. ANNUAL REPORT ON MILITARY AND SECURITY
DEVELOPMENTS INVOLVING THE RUSSIAN
FEDERATION.

Section 1245(b) of the Carl Levin and Howard P.
Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3566),
as most recently amended by section 1235(a) of the Na-
tional Defense Authorization Act for Fiscal Year 2017
(Public Law 114–328; 130 Stat. 2490), is further amend-
ed—
(1) by redesignating paragraphs (14) through (20) as paragraphs (16) through (22), respectively; and

(2) by inserting after paragraph (13) the following new paragraphs:

“(14) An assessment of Russia’s hybrid warfare strategy and capabilities, including—

“(A) Russia’s information warfare strategy and capabilities, including the use of misinformation, disinformation, and propaganda in social and traditional media;

“(B) Russia’s financing of political parties, think tanks, media organizations, and academic institutions;

“(C) Russia’s malicious cyber activities;

“(D) Russia’s use of coercive economic tools, including sanctions, market access, and differential pricing, especially in energy exports; and

“(E) Russia’s use of criminal networks and corruption to achieve political objectives.

“(15) An assessment of attempts by Russia, or any foreign person acting as an agent of or on behalf of Russia, during the preceding year to knowingly disseminate Russian-supported disinformation
or propaganda, through social media applications or related Internet-based means, to members of the Armed Forces with probable intent to cause injury to the United States or advantage the Government of the Russian Federation.”.

Subtitle H—Other Matters

SEC. 1271. SECURITY AND STABILITY STRATEGY FOR SOMALIA.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the President shall submit to the appropriate congressional committees a report that contains a comprehensive United States strategy to achieve long-term security and stability in Somalia and includes each of the following elements:

(1) A description of United States strategic objectives in Somalia and the benchmarks for assessing progress toward such objectives.

(2) An assessment of the threats posed to Somalia, the broader region, the United States, and partners of the United States, by al-Shabaab and organizations affiliated with the Islamic State of Iraq and Syria in Somalia, including the origins, strategic aims, tactical methods, funding sources, and leadership of each organization.
(3) A description of the key international and United States governance, diplomatic, development, military, and intelligence resources available to address instability in Somalia.

(4) A plan to improve coordination among, and effectiveness of, United States governance, diplomatic, development, military, and intelligence resources to counter the threat of al-Shabaab and organizations affiliated with the Islamic State of Iraq and Syria in Somalia.

(5) A description of the role the United States is playing or will play to address political instability and support long-term security and stability in Somalia.

(6) A description of the contributions made by the African Union Mission in Somalia (in this section referred to as “AMISOM”) to security in Somalia and an assessment of the anticipated duration of support provided to AMISOM by troop contributing countries.

(7) A plan to train the Somali National Army and other Somali security forces, that also includes—

(A) a description of the assistance provided by other countries for such training; and
(B) a description of the efforts to integrate regional militias into the uniformed Somali security forces; and

(C) a description of the security assistance authorities under which any such training would be provided by the United States and the recommendations of the Secretary to address any gaps under such authorities to advise, assist, or accompany the Somali National Army or other Somali security forces within appropriate roles and responsibilities that are not fulfilled by other countries or by international organizations.

(8) A description of the steps the United States, AMISOM, and any forces trained by the United States are taking in Somalia to minimize civilian casualties and other harm to civilians.

(9) Any other matters the President considers appropriate.

(b) FORM.—The report required under subsection (a) shall be submitted in unclassified form but may include a classified annex.

(e) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—
(1) the Committee on Armed Services, the Committee on Foreign Affairs, the Committee on Appropriations, and the Permanent Select Committee on Intelligence of the House of Representatives; and

(2) the Committee on Armed Services, the Committee on Foreign Relations, the Committee on Appropriations, and the Select Committee on Intelligence of the Senate.

SEC. 1272. GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEM.

(a) UPDATE OF GUIDANCE.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall—

(A) update relevant security cooperation guidance issued by the Secretary for use of the Global Theater Security Cooperation Management Information System (in this section referred to as “G-TSCMIS”), including guidance relating to the matters described in paragraph (3); and

(B) submit to the congressional defense committees a report that contains such guidance.
(2) SUCCESSOR SYSTEM.—Not later than 180 days after the date of the adoption of any security cooperation information system that is a successor to G-TSCMIS, the Secretary of Defense shall—

(A) update relevant security cooperation guidance issued by the Secretary for use of such system, including guidance relating to the matters described in paragraph (3); and

(B) submit to the congressional defense committees a report that contains such guidance.

(3) MATTERS DESCRIBED.—The matters described in this paragraph are the following:

(A) Designation of an authoritative data repository for security cooperation information, with enforceable data standards and data controls.

(B) Responsibilities for entry of data relating to programs and activities into the system.

(C) Oversight and accountability measures to ensure the full scope of activities are entered into the system consistently and in a timely manner.

(D) Such other matters as the Secretary considers appropriate.
(b) Report.—

(1) In general.—Not later than 270 days after the adoption of any security cooperation information system that is the successor to G-TSCMIS, the Secretary of Defense shall submit to the congressional defense committees a report setting forth a review of measures for evaluating the system in order to comply with guidance required by subsection (a).

(2) Elements.—The review required by paragraph (1) shall include the following:

(A) An evaluation of the impacts of inconsistent information on the system’s functionality as a tool for planning, resource allocation, and adjustment.

(B) An evaluation of the effectiveness of oversight and accountability measures.

(C) An evaluation of feedback from the operational community to inform future requirements.

(D) Such other matters as the Secretary considers appropriate.

(3) Form.—The report required under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.
SEC. 1273. FUTURE YEARS PLAN FOR THE EUROPEAN DE-
TERRENCE INITIATIVE.

(a) Plan Required.—

(1) In general.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Commander of the United States European Command, shall submit to the congressional defense committees a future years plan on activities and resources of the European Deterrence Initiative (in this section referred to as the “EDI”).

(2) Applicability.—The plan shall apply with respect to fiscal year 2018 and at least the four succeeding fiscal years.

(b) Matters to Be Included.—The plan required under subsection (a) shall include the following:

(1) A description of the objectives of the EDI.

(2) An assessment of resource requirements to achieve the objectives of the EDI.

(3) An assessment of capabilities requirements to achieve the objectives of the EDI.

(4) An assessment of logistics requirements, including force enablers, equipment, supplies, storage, and maintenance requirements, to achieve the objectives of the EDI.
(5) An identification and assessment of required infrastructure investments to achieve the objectives of the EDI, including potential infrastructure investments by host nations and new construction or modernization of existing sites that would be funded by the United States.

(6) An assessment of security cooperation investments required to achieve the objectives of the EDI.

(7) An analysis of the challenges to the ability of the United States to deploy significant forces from the continental United States to the European theater in the event of a major contingency, and a description of the plans of the Department of Defense, including military exercises, to address such challenges.

(8) A plan to fully resource United States force posture and capabilities, including—

(A) details regarding the strategy to balance the force structure of the United States forces to source additional permanently stationed United States forces in Europe as a part of any planned growth in end strength and force posture;
(B) the infrastructure capacity of existing locations and their ability to accommodate additional permanently stationed United States forces in Europe;

(C) the potential new locations for additional permanently stationed United States forces in Europe, including an assessment of infrastructure and military construction resources necessary to accommodate additional United States forces in Europe;

(D) a detailed timeline to achieve desired permanent posture requirements;

(E) a reevaluation of sites identified for divestiture but not yet divested under the European Infrastructure Consolidation initiative, accounting for updated military requirements; and

(F) any changes and associated costs incurred with retaining each site identified for divestiture but not yet divested under the European Infrastructure Consolidation initiative, including possible leasing agreements, sustainment, and maintenance.

(e) FORM.—The plan required under subsection (a) shall be submitted in unclassified form, but may include a classified annex.
(d) LIMITATIONS.—

(1) GENERAL LIMITATION.—The Secretary of Defense may not take any action to divest any site identified for divestiture but not yet divested under the European Infrastructure Consolidation initiative until the Secretary submits to the congressional defense committees the plan required under subsection (a).

(2) SITE-SPECIFIC LIMITATION.—In the case of a proposed divestiture of a site under the European Infrastructure Consolidation initiative, the Secretary of Defense may not take any action to divest the site unless prior to taking such action, the Secretary certifies to the congressional defense committees that no military requirement for future use of the site is foreseeable.

SEC. 1274. EXTENSION OF AUTHORITY TO ENTER INTO AGREEMENTS WITH PARTICIPATING COUNTRIES IN THE AMERICAN, BRITISH, CANADIAN, AND AUSTRALIAN ARMIES’ PROGRAM.

Section 1274(g) of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 2026; 10 U.S.C. 2350a note) is amended by striking “five years” and inserting “ten years”.

SEC. 1275. UNITED STATES MILITARY AND DIPLOMATIC STRATEGY FOR YEMEN.

(a) Report Required.—Not later than 120 days after the date of enactment of this Act, the President shall submit to the appropriate congressional committees a report that contains a military and diplomatic strategy for Yemen.

(b) Elements.—The report required by subsection (a) shall include the following elements:

(1) An explanation of the military and diplomatic strategy for Yemen, including a description of the ends, ways, and means inherent to the strategy.

(2) An explanation of the legal authorities supporting the strategy.

(3) A detailed description of the political and security environment in Yemen.

(4) A detailed description of the threats posed by Al Qaeda in the Arabian Peninsula and the Islamic State of Iraq and Syria–Yemen Province, including the intent, capabilities, strategic aims, and resources attributable to each organization.

(5) A detailed description of the threats posed to freedom of navigation through the Bab al Mandab Strait and waters in proximity to Yemen as well as any United States efforts to mitigate those threats.
(6) A detailed description of the threats posed to the United States and its allies and partners by the proliferation of advanced conventional weapons in Yemen.

(7) A detailed description of the threats posed to United States interests by state actors in Yemen.

(8) A discussion of United States objectives regarding long-term stability and counterterrorism in Yemen.

(9) A plan to integrate the United States diplomatic, development, military, and intelligence resources necessary to implement the strategy.

(10) A detailed description of the roles of the United States Armed Forces in supporting the strategy.

(11) Any other matters as the President considers appropriate.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the Committee on Armed Services, the Committee on Foreign Relations, the Committee on
Appropriations, and the Select Committee on Intelligence of the Senate; and

(2) the Committee on Armed Services, the Committee on Foreign Affairs, the Committee on Appropriations, and the Permanent Select Committee on Intelligence of the House of Representatives.

SEC. 1276. TRANSFER OF EXCESS HIGH MOBILITY MULTI-
PURPOSE WHEELED VEHICLES TO FOREIGN COUNTRIES.

(a) Requirements in Connection With Transfer.—

(1) In General.—Before an excess high mobility multipurpose wheeled vehicle (HMMWV) is transferred on a grant or sales basis to a foreign country for the purpose of operation by that country, the Secretary of Defense shall ensure that the vehicle receives the same new, modernized powertrain and a modernized, armored or armor-capable crew compartment restored to like-new condition that the vehicle would receive were the vehicle to be modernized for operational used by the Armed Forces.
(2) SAME NEW, MODERNIZED POWERTRAIN.—

For purposes of paragraph (1), the term “same new, modernized powertrain”—

(A) means a fully-functioning new powertrain system; but

(B) does not mean an individual part, component, subassembly, assembly, or subsystem integral to the functioning of the powertrain system such as a new engine or transmission.

(3) PERFORMANCE OF WORK.—Any work performed pursuant to paragraph (1) shall be performed in the United States, and shall be covered by section 2460(b)(1) of title 10, United States Code.

(b) WAIVER.—

(1) IN GENERAL.—Subject to paragraph (2), the President may waive the requirements of subsection (a)(1) with respect to any particular transfer of high mobility multipurpose wheeled vehicles if the President determines in writing that the waiver is in the national interests of the United States.

(2) NOTICE.—If the President makes a written determination under paragraph (1), the vehicles covered by the determination may not be transferred until 30 days after the Secretary of Defense provides notice of the transfer to the appropriate committees.
of Congress. Each notice on a transfer shall include
the following:

(A) The recipient of the vehicles to be
transferred, the intended use of the vehicles,
and a description of the national interests of
the United States in connection with the trans-
fer.

(B) An explanation of why it is not in the
national interests of the United States to make
the transfer in accordance with the require-
ments of subsection (a)(1).

(C) The impact of the transfer on the na-
tional technology and industrial base and, in ar-
ticular, on any reduction of the opportunities of
entities in the national technology and indus-
trial base to sell new or used high mobility mul-
tipurpose wheeled vehicles to the countries to
which the proposed transfer of vehicles is to
take place.

(e) Effective Date and Sunset.—

(1) Effective date.—Subsections (a) and (b)
shall apply to any transfer of excess high mobility
multipurpose wheeled vehicles that occurs on or
after the date that is 90 days after the date of the
enactment of this Act.
(2) SUNSET.—The requirements in subsection (a) shall expire on the date that is three years after the date of the enactment of this Act.

(d) COMPTROLLER GENERAL OF THE UNITED STATES REPORT.—

(1) IN GENERAL.—The Comptroller General of the United States shall submit to the appropriate committees of Congress a report on all proposed and completed transfers of excess defense articles that are high mobility multipurpose wheeled vehicles under the authority of section 516 of the Foreign Assistance Act of 1961 (22 U.S.C. 2321j) during fiscal years 2012 through 2016.

(2) ELEMENTS.—The report under paragraph (1) shall include the following:

(A) An assessment of the timing, rigorousness, and procedures used in the determination of the President that each transfer described in paragraph (1) did not have an adverse impact on the national technology and industrial base and, in particular, that such transfer would not reduce the opportunities of entities in the national technology and industrial base to sell new or used equipment to the countries to which such articles were or were to be transferred in...

(B) Any related matters the Comptroller General considers appropriate.

c) Appropriate Committees of Congress Defined.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services, the Committee on Foreign Relations, and the Committee on Appropriations of the Senate; and

(2) the Committee on Armed Services, the Committee on Foreign Affairs, and the Committee on Appropriations of the House of Representatives.

SEC. 1277. DEPARTMENT OF DEFENSE PROGRAM TO PROTECT UNITED STATES STUDENTS AGAINST FOREIGN AGENTS.

(a) Program.—The Secretary of Defense shall develop and implement a program to prepare United States students studying abroad through Department of Defense National Security Education Programs to recognize and protect themselves against recruitment efforts by intelligence agents.

(b) Briefing.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall provide to the Committees on Armed Services of the
Senate and the House of Representatives a briefing on the program required under subsection (a).

SEC. 1278. LIMITATION AND EXTENSION OF UNITED STATES-ISRAEL ANTI-TUNNEL COOPERATION AUTHORITY.

(a) LIMITATION AND EXTENSION OF AUTHORITY.—

Section 1279 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1079; 22 U.S.C. 8606 note) is amended as follows:

(1) LIMITATION WITH RESPECT TO RDT&E ACTIVITIES.—In subsection (b), by adding at the end the following new paragraph:

“(5) USE OF CERTAIN AMOUNTS FOR RDT&E ACTIVITIES IN THE UNITED STATES.—Of the amount provided by the United States in support under paragraph (1), not less than 50 percent of such amount shall be used for research, development, test, and evaluation activities in the United States in connection with such support.”.

(2) EXTENSION OF AUTHORITY.—In subsection (f), by striking “December 31, 2018” and inserting “December 31, 2020”.

(b) REPEAL OF SUPERSEDED LIMITATION.—Section 1295 of the National Defense Authorization Act for Fiscal
Year 2017 (Public Law 114–328; 130 Stat. 2562) is
amended by striking subsection (c).

SEC. 1279. ANTICORRUPTION STRATEGY.

(a) IN GENERAL.—Not later than 180 days after the
date of the enactment of this Act, the Secretary of State,
the Secretary of Defense, and the Administrator of the
United States Agency for International Development shall
jointly develop a strategy to prevent corruption in any re-
construction efforts associated with United States contin-
gency operations and submit such strategy to the appro-
priate congressional committees.

(b) BENCHMARKS.—The strategy described in sub-
section (a) shall include measurable benchmarks to be met
as a condition for disbursement of funds for reconstruc-
tion efforts.

c) APPROPRIATE CONGRESSIONAL COMMITTEES DE-
FINED.—In this section, the term “appropriate congress-
ional committees” means—

(1) the Committee on Armed Services and the
Committee on Foreign Relations of the Senate; and

(2) the Committee on Armed Services and the
Committee on Foreign Affairs of the House of Rep-
resentatives.
SEC. 1279A. STRATEGY TO IMPROVE DEFENSE INSTITUTIONS AND SECURITY SECTOR FORCES IN NIGERIA.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the President shall submit to the appropriate congressional committees a report that contains a comprehensive strategy to support improvements in defense institutions and security sector forces in Nigeria.

(b) MATTERS TO BE INCLUDED.—The report required by subsection (a) shall include the following:

(1) An assessment of the threats posed by terrorist and other militant groups operating in Nigeria, including Boko Haram, the Islamic State in Iraq and Syria – West Africa (ISIS-WA), and Niger Delta militants, as well as a description of the origins, strategic aims, tactical methods, funding sources, and leadership structures of each such organization.

(2) An assessment of efforts by the Government of Nigeria to improve civilian protection, accountability for human rights violations, and transparency in the defense institutions and security sector forces.

(3) A description of the key international and United States diplomatic, development, intelligence, military, and economic resources available to address
instability across Nigeria, and a plan to maximize
the coordination and effectiveness of these resources
to counter the threats posed by Boko Haram, ISIS-
WA, and Niger Delta militants.

(4) An assessment of efforts undertaken by the
security forces of the Government of Nigeria to im-
prove the protection of civilians.

(5) An assessment of the effectiveness of the
Civilian Joint Task Force that has been operating in
parts of northeastern Nigeria, as well as any lessons
learned from such operations and a plan to work
with the Government of Nigeria to address allega-
tions of participation of child soldiers in the Civilian
Joint Task Force.

(6) A plan for the United States to work with
the Nigerian security forces and judiciary to trans-
parently investigate allegations of human rights vi-o-
lations committed by the security forces of the Gov-
ernment of Nigeria that have involved civilian cas-
ualties.

(7) A plan for the United States to work with
the Nigerian defense institutions and security sector
forces to improve detainee conditions.

(8) Any other matters the President considers
appropriate.
(c) **FORM.**—The report required under subsection (a) shall be submitted in unclassified form, but may include a classified annex.

(d) **APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.**—In this section, the term “appropriate congressional committees” means—

(1) the Committee on Armed Services, the Committee on Foreign Relations, the Committee on Appropriations, and the Select Committee on Intelligence of the Senate; and

(2) the Committee on Armed Services, the Committee on Foreign Affairs, the Committee on Appropriations, and the Permanent Select Committee on Intelligence of the House of Representatives.

**SEC. 1279B. LIMITATION ON AVAILABILITY OF FUNDS TO IMPLEMENT THE ARMS TRADE TREATY.**

(a) **IN GENERAL.**—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for the Department of Defense may be obligated or expended to implement the Arms Trade Treaty, or to make any change to existing programs, projects, or activities as approved by Congress in furtherance of, pursuant to, or otherwise to implement such Treaty, unless the Treaty has received the advice and consent
of the Senate and has been the subject of implementing legislation, as required, by Congress..

(b) Rule of Construction.—Nothing in this section shall be construed to preclude the Department of Defense from assisting foreign countries in bringing their laws and regulations up to United States standards.

SEC. 1279C. CULTURAL HERITAGE PROTECTION COORDINATOR.

Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall designate an employee of the Department of Defense to serve concurrently as the Coordinator for Cultural Heritage Protection, who shall be responsible for—

(1) coordinating the existing obligations of the Department of Defense for the protection of cultural heritage, including the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict, and other obligations for the protection of cultural heritage; and

(2) coordinating with the Cultural Heritage Coordinating Committee convened by the Secretary of State for the national security interests of the United States, as appropriate.
SEC. 1279D. SECURITY ASSISTANCE FOR BALTIC NATIONS

FOR JOINT PROGRAM FOR INTEROPERABILITY AND DETERRENCE AGAINST AGGRESSION.

(a) In General.—The Secretary of Defense may, with the concurrence of the Secretary of State, conduct or support a single joint program of the Baltic nations to improve their interoperability and build their capacity to deter and resist aggression by the Russian Federation.

(b) Joint Program.—For purposes of subsection (a), a joint program of the Baltic nations may be either of the following:

(1) A program jointly agreed by the Baltic nations to procure defense articles and services described in subsection (c) using assistance provided pursuant to subsection (a).

(2) An agreement for the joint procurement by the Baltic nations of defense articles and services described in subsection (c) using assistance provided pursuant to subsection (a).

(c) Defense Articles and Services.—For purposes of subsection (b), the defense articles and services described in this subsection include the following:

(1) Real time or near-real time actionable intelligence, including by lease of such capabilities from United States commercial entities.
(2) Unmanned aerial tactical surveillance systems.

(3) Lethal assistance, such as anti-armor weapon systems, mortars, crew-served weapons and ammunition, grenade launchers and ammunition, and small arms and ammunition.

(4) Air defense radars and anti-aircraft weapons.

(5) Other defense articles or services agreed to by the Baltic nations and considered appropriate by the Secretary of Defense, with the concurrence of the Secretary of State.

(d) Participation of Other Countries.—Any country other than a Baltic nation may participate in the joint program described in subsection (a), but only using funds of such country.

(e) Notice and Wait on Activities.—Not later than 60 days before initiating activities under the joint program under subsection (a), the Secretary of Defense shall submit to the appropriate committees of Congress a written and electronic notice of the following:

(1) The countries that will participate in the joint program.

(2) A detailed assessment of how the joint program will improve the interoperability of the Baltic
nations and build their capacity to deter and resist aggression by the Russian Federation.

(3) A description of the elements of the United States European Command theater security cooperation plan, and of the interagency integrated country strategy in each Baltic nation, that will be advanced by the joint program.

(4) A detailed evaluation of the capacity of the Baltic nations to absorb the defense articles and services to be procured under the joint program.

(5) The cost and delivery schedule of the joint program.

(6) A description of the arrangements, if any, for the sustainment of the defense articles and services to be procured under the joint program, and the estimated cost and source of funds to support sustainment of the capabilities and performance outcomes achieved under the joint program beyond its completion date, if applicable.

(f) FUNDING.—

(1) IN GENERAL.—Amounts for assistance provided pursuant to subsection (a) shall be derived from amounts authorized to be appropriated for the Department of Defense for operation and maintenance, Defense-wide.
(2) LIMITATION.—The total amount of assistance provided pursuant to subsection (a) may not exceed $100,000,000.

(g) TERMINATION.—Assistance may not be provided pursuant to subsection (a) after December 31, 2020.

(h) DEFINITIONS.—In this section:

(1) The term “appropriate committees of Congress” means—

(A) the Committee on Armed Services, the Committee on Foreign Relations, and the Committee on Appropriations of the Senate; and

(B) the Committee on Armed Services, the Committee on Foreign Affairs, and the Committee on Appropriations of the House of Representatives.

(2) The term “Baltic nations” means the following:

(A) Estonia.

(B) Latvia.

(C) Lithuania.
SEC. 1279E. RESTRICTION ON FUNDING FOR THE PREPARATORY COMMISSION FOR THE COMPREHENSIVE NUCLEAR-TEST-BAN TREATY ORGANIZATION.

(a) Statement of Policy.—Congress declares that United Nations Security Council Resolution 2310 (September 23, 2016) does not obligate the United States nor does it impose an obligation on the United States to refrain from actions that would run counter to the object and purpose of the Comprehensive Nuclear-Test-Ban Treaty.

(b) Restriction on Funding.—

(1) In General.—No United States funds may be made available to the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization.

(2) Exception.—The restriction under paragraph (1) shall not apply with respect to the availability of—

(A) United States funds for the Comprehensive Nuclear-Test-Ban Treaty Organization’s International Monitoring System; or

(B) United States funds used solely for analysis and dissemination of data collected under the International Monitoring System.
SEC. 1279F. CLARIFICATION OF AUTHORITY TO SUPPORT
BORDER SECURITY OPERATIONS OF CERTAIN
FOREIGN COUNTRIES.

Paragraph (3) of section 1226(b) of the National De-
fense Authorization Act for Fiscal Year 2016 (Public Law
114–92; 129 Stat. 1056), as added by section 1294(b)(2)
of the National Defense Authorization Act for Fiscal Year
2017 (Public Law 114–328; 130 Stat. 2562), is amended
by striking “for such fiscal year” both places it appears.

TITLE XIII—COOPERATIVE
THREAT REDUCTION

Sec. 1301. Specification of Cooperative Threat Reduction funds.
Sec. 1302. Funding allocations.

SEC. 1301. SPECIFICATION OF COOPERATIVE THREAT RE-
DUCTION FUNDS.

(a) Fiscal Year 2018 Cooperative Threat Re-
duction Funds Defined.—In this title, the term “fiscal
year 2018 Cooperative Threat Reduction funds” means
the funds appropriated pursuant to the authorization of
appropriations in section 301 and made available by the
funding table in section 4301 for the Department of De-
fense Cooperative Threat Reduction Program established
under section 1321 of the Department of Defense Cooper-

(b) Availability of Funds.—Funds appropriated
pursuant to the authorization of appropriations in section
301 and made available by the funding table in section 4301 for the Department of Defense Cooperative Threat Reduction Program shall be available for obligation for fiscal years 2018, 2019, and 2020.

SEC. 1302. FUNDING ALLOCATIONS.

(a) In general.—Of the $324,600,000 authorized to be appropriated to the Department of Defense for fiscal year 2018 in section 301 and made available by the funding table in division D for the Department of Defense Cooperative Threat Reduction Program established under section 1321 of the Department of Defense Cooperative Threat Reduction Act (50 U.S.C. 3711), the following amounts may be obligated for the purposes specified:

(1) For strategic offensive arms elimination, $12,100,000.

(2) For chemical weapons destruction, $5,000,000.

(3) For global nuclear security, $17,900,000.

(4) For cooperative biological engagement, $172,800,000.

(5) For proliferation prevention, $89,800,000.

(6) For activities designated as Other Assessments/Administrative Costs, $27,000,000.
(b) MODIFICATION TO CERTAIN REQUIREMENTS.—

The Department of Defense Cooperative Threat Reduction Act (50 U.S.C. 3701 et seq.) is amended as follows:

(1) Section 1321(g)(1) (50 U.S.C. 3711(g)(1)) is amended by striking “45 days” and inserting “15 days”.

(2) Section 1324 (50 U.S.C. 3714) is amended—

(A) in subsection (a)(1)(C), by striking “45 days” and inserting “15 days”; and

(B) in subsection (b)(3), by striking “45 days” and inserting “15 days”.

(3) Section 1335(a) (50 U.S.C. 3735(a)) is amended by striking “or expended”.

TITLE XIV—OTHER AUTHORIZATIONS

Subtitle A—Military Programs

Sec. 1401. Working capital funds.
Sec. 1402. Chemical agents and munitions destruction, defense.
Sec. 1403. Drug interdiction and counter-drug activities defense-wide.
Sec. 1405. Defense Health Program.

Subtitle B—Other Matters

Sec. 1411. Authority for transfer of funds to joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund for Captain James A. Lovell Health Care Center, Illinois.
Sec. 1412. Authorization of appropriations for Armed Forces Retirement Home.
Sec. 1413. Armed Forces Retirement Home matters.
Sec. 1414. Authority to dispose of certain materials from and to acquire additional materials for the National Defense Stockpile.
Sec. 1415. Acquisition reporting on major chemical demilitarization programs of the Department of Defense.

Subtitle A—Military Programs

SEC. 1401. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2018 for the use of the Armed Forces and other activities and agencies of the Department of Defense for providing capital for working capital and revolving funds, as specified in the funding table in section 4501.

SEC. 1402. CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2018 for expenses, not otherwise provided for, for Chemical Agents and Munitions Destruction, Defense, as specified in the funding table in section 4501.

(b) USE.—Amounts authorized to be appropriated under subsection (a) are authorized for—

(1) the destruction of lethal chemical agents and munitions in accordance with section 1412 of the Department of Defense Authorization Act, 1986 (50 U.S.C. 1521); and

(2) the destruction of chemical warfare materiel of the United States that is not covered by section 1412 of such Act.
SEC. 1403. DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2018 for expenses, not otherwise provided for, for Drug Interdiction and Counter-Drug Activities, Defense-wide, as specified in the funding table in section 4501.

SEC. 1404. DEFENSE INSPECTOR GENERAL.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2018 for expenses, not otherwise provided for, for the Office of the Inspector General of the Department of Defense, as specified in the funding table in section 4501.

SEC. 1405. DEFENSE HEALTH PROGRAM.

Funds are hereby authorized to be appropriated for fiscal year 2018 for the Defense Health Program, as specified in the funding table in section 4501, for use of the Armed Forces and other activities and agencies of the Department of Defense in providing for the health of eligible beneficiaries.

SEC. 1406. NATIONAL DEFENSE SEALIFT FUND.

Funds are hereby authorized to be appropriated for fiscal year 2018 for the National Defense Sealift Fund, as specified in the funding table in section 4501.
Subtitle B—Other Matters

SEC. 1411. AUTHORITY FOR TRANSFER OF FUNDS TO JOINT DEPARTMENT OF DEFENSE-DEPARTMENT OF VETERANS AFFAIRS MEDICAL FACILITY DEMONSTRATION FUND FOR CAPTAIN JAMES A. LOVELL HEALTH CARE CENTER, ILLINOIS.

(a) Authority for Transfer of Funds.—Of the funds authorized to be appropriated by section 1405 and available for the Defense Health Program for operation and maintenance, $115,500,000 may be transferred by the Secretary of Defense to the Joint Department of Defense–Department of Veterans Affairs Medical Facility Demonstration Fund established by subsection (a)(1) of section 1704 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2571). For purposes of subsection (a)(2) of such section 1704, any funds so transferred shall be treated as amounts authorized and appropriated specifically for the purpose of such a transfer.

(b) Use of Transferred Funds.—For the purposes of subsection (b) of such section 1704, facility operations for which funds transferred under subsection (a) may be used are operations of the Captain James A. Lovell Federal Health Care Center, consisting of the North Chicago Veterans Affairs Medical Center, the Navy

**SEC. 1412. AUTHORIZATION OF APPROPRIATIONS FOR ARMED FORCES RETIREMENT HOME.**

There is hereby authorized to be appropriated for fiscal year 2018 from the Armed Forces Retirement Home Trust Fund the sum of $64,300,000 for the operation of the Armed Forces Retirement Home.

**SEC. 1413. ARMED FORCES RETIREMENT HOME MATTERS.**

(a) Termination of Oversight Responsibilities of Under Secretary of Defense for Personnel and Readiness.—

(1) Senior Medical Advisor.—Section 1513A of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 413a) is amended—

(A) in subsection (b), by striking “the Under Secretary of Defense for Personnel and Readiness,” in the matter preceding paragraph (1); and

(B) in subsection (e)(4), by striking “the Under Secretary of Defense for Personnel and
Readiness” and inserting “the Secretary of Defense”.

(2) OMBUDSMEN.—Section 1517(e)(2) of such Act (24 U.S.C. 417(e)(2)) is amended by striking “the Under Secretary of Defense for Personnel and Readiness” and inserting “the Secretary of Defense”.

(3) INSPECTIONS.—Section 1518 of such Act (24 U.S.C. 418) is amended—

(A) in subsection (c)(1), by striking “the Under Secretary of Defense for Personnel and Readiness,”; and

(B) in subsection (e)(1), by striking “the Under Secretary of Defense for Personnel and Readiness” and inserting “the Secretary of Defense”.

(b) ADVISORY COUNCIL.—Section 1516 of such Act (24 U.S.C. 416) is amended—

(1) in subsection (c)(1), by striking “15 members,” and all that follows and inserting “15 members.”; and

(2) in subsection (f)(1), by striking “shall” and inserting “may”.

(c) ADMINISTRATORS.—Section 1517(b) of such Act (24 U.S.C. 417(b)) is amended—
(1) in paragraph (2), by striking “and” at the end;

(2) in paragraph (3), by striking the period at the end and inserting “; and”; and

(3) by adding at the end the following new paragraph:

“(4) serve at the pleasure of the Secretary of Defense.”.

SEC. 1414. AUTHORITY TO DISPOSE OF CERTAIN MATERIALS FROM AND TO ACQUIRE ADDITIONAL MATERIALS FOR THE NATIONAL DEFENSE STOCKPILE.

(a) Disposal Authority.—Pursuant to section 5(b) of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98d(b)), the National Defense Stockpile Manager may dispose of not more than 25 short tons of materials transferred from another department or agency of the United States to the National Defense Stockpile under section 4(b) of such Act (50 U.S.C. 98c(b)) that the National Defense Stockpile Manager determines is no longer required from the stockpile.

(b) Acquisition Authority.—

(1) Authority.—Using funds available in the National Defense Stockpile Transaction Fund, the National Defense Stockpile Manager may acquire
the following materials determined to be strategic and critical materials required to meet the defense, industrial, and essential civilian needs of the United States:

(A) Electrolytic manganese metal.

(B) Antimony.

(2) AMOUNT OF AUTHORITY.—The National Defense Stockpile Manager may use up to $9,000,000 in the National Defense Stockpile Transaction Fund for acquisition of the materials specified in paragraph (1).

(3) FISCAL YEAR LIMITATION.—The authority under paragraph (1) is available for purchases during fiscal year 2018 through fiscal year 2027.

SEC. 1415. ACQUISITION REPORTING ON MAJOR CHEMICAL DEMILITARIZATION PROGRAMS OF THE DEPARTMENT OF DEFENSE.

(a) REPORTING ON MAJOR PROGRAMS.—Acquisition reporting on each major program within the chemical demilitarization programs of the Department of Defense, including construction in connection with such program, shall—

(1) comply with reporting guidelines for an Acquisition Category 1 (ACAT 1) system; and
(2) be reported separately from acquisition re-
porting on the other major program within the 
chemical demilitarization programs of the Depart-
ment of Defense.

(b) MAJOR PROGRAM WITHIN THE CHEMICAL DE-
militarization Programs of the Department of 
DEFENSE DEFINED.—In this section, the term “major 
program within the chemical demilitarization programs of 
the Department of Defense” means each program as fol-
lows:

(1) Pueblo Chemical Agent Destruction Pilot 
Plant program, Colorado.

(2) Blue Grass Chemical Agent Destruction 
Pilot Plant program, Kentucky.

TITLE XV—AUTHORIZATION OF 
ADDITIONAL APPROPRIA-
TIONS FOR OVERSEAS CON-
TINGENCY OPERATIONS

Subtitle A—Authorization of Appropriations

Sec. 1501. Purpose and treatment of certain authorizations of appropriations. 
Sec. 1502. Overseas contingency operations. 
Sec. 1503. Procurement. 
Sec. 1504. Research, development, test, and evaluation. 
Sec. 1505. Operation and maintenance. 
Sec. 1506. Military personnel. 
Sec. 1507. Working capital funds. 
Sec. 1508. Drug Interdiction and Counter-Drug Activities, Defense-wide. 
Sec. 1510. Defense Health program.

Subtitle B—Financial Matters

Sec. 1511. Treatment as additional authorizations.
Subtitle A—Authorization of Appropriations

SEC. 1501. PURPOSE AND TREATMENT OF CERTAIN AUTHORIZATIONS OF APPROPRIATIONS.

The purpose of this subtitle is to authorize appropriations for the Department of Defense for fiscal year 2018 to provide additional funds for overseas contingency operations being carried out by the Armed Forces.

SEC. 1502. OVERSEAS CONTINGENCY OPERATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2018 for the Department of Defense for overseas contingency operations in such amounts as may be designated as provided in section 251(b)(2)(A)(ii) of the Balanced Budget and Emergency Deficit Control Act of 1985.

SEC. 1503. PROCUREMENT.

Funds are hereby authorized to be appropriated for fiscal year 2018 for procurement accounts for the Army, the Navy and the Marine Corps, the Air Force, and Defense-wide activities, as specified in the funding table in section 4102.
SEC. 1504. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

Funds are hereby authorized to be appropriated for fiscal year 2018 for the use of the Department of Defense for research, development, test, and evaluation, as specified in the funding table in section 4202.

SEC. 1505. OPERATION AND MAINTENANCE.

Funds are hereby authorized to be appropriated for fiscal year 2018 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4302.

SEC. 1506. MILITARY PERSONNEL.

Funds are hereby authorized to be appropriated for fiscal year 2018 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for military personnel, as specified in the funding table in section 4402.

SEC. 1507. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2018 for the use of the Armed Forces and other activities and agencies of the Department of Defense for providing capital for working capital and revolving funds, as specified in the funding table in section 4502.
SEC. 1508. DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2018 for expenses, not otherwise provided for, for Drug Interdiction and Counter-Drug Activities, Defense-wide, as specified in the funding table in section 4502.

SEC. 1509. DEFENSE INSPECTOR GENERAL.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2018 for expenses, not otherwise provided for, for the Office of the Inspector General of the Department of Defense, as specified in the funding table in section 4502.

SEC. 1510. DEFENSE HEALTH PROGRAM.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2018 for expenses, not otherwise provided for, for the Defense Health Program, as specified in the funding table in section 4502.

Subtitle B—Financial Matters

SEC. 1511. TREATMENT AS ADDITIONAL AUTHORIZATIONS.

The amounts authorized to be appropriated by this title are in addition to amounts otherwise authorized to be appropriated by this Act.

SEC. 1512. SPECIAL TRANSFER AUTHORITY.

(a) Authority to transfer authorizations.—
(1) **AUTHORITY.**—Upon determination by the Secretary of Defense that such action is necessary in the national interest, the Secretary may transfer amounts of authorizations made available to the Department of Defense in this title for fiscal year 2018 between any such authorizations for that fiscal year (or any subdivisions thereof). Amounts of authorizations so transferred shall be merged with and be available for the same purposes as the authorization to which transferred.

(2) **LIMITATION.**—The total amount of authorizations that the Secretary may transfer under the authority of this subsection may not exceed $2,500,000,000.

(b) **TERMS AND CONDITIONS.**—Transfers under this section shall be subject to the same terms and conditions as transfers under section 1001.

c) **ADDITIONAL AUTHORITY.**—The transfer authority provided by this section is in addition to the transfer authority provided under section 1001.

**Subtitle C—Limitations, Reports, and Other Matters**

**SEC. 1521. AFGHANISTAN SECURITY FORCES FUND.**

(a) **CONTINUATION OF PRIOR AUTHORITIES AND NOTICE AND REPORTING REQUIREMENTS.**—Funds available

(b) EQUIPMENT DISPOSITION.—

(1) ACCEPTANCE OF CERTAIN EQUIPMENT.—

Subject to paragraph (2), the Secretary of Defense may accept equipment that is procured using amounts in the Afghanistan Security Forces Fund authorized under this Act and is intended for transfer to the security forces of Afghanistan, but is not accepted by such security forces.

(2) CONDITIONS ON ACCEPTANCE OF EQUIPMENT.—Before accepting any equipment under the authority provided by paragraph (1), the Commander of United States forces in Afghanistan shall make a determination that the equipment was procured for the purpose of meeting requirements of the security forces of Afghanistan, as agreed to by both the Government of Afghanistan and the United States, but is no longer required by such security forces.
forces or was damaged before transfer to such security forces.

(3) ELEMENTS OF DETERMINATION.—In making a determination under paragraph (2) regarding equipment, the Commander of United States forces in Afghanistan shall consider alternatives to Secretary of Defense acceptance of the equipment. An explanation of each determination, including the basis for the determination and the alternatives considered, shall be included in the relevant quarterly report required under paragraph (5).

(4) TREATMENT AS DEPARTMENT OF DEFENSE STOCKS.—Equipment accepted under the authority provided by paragraph (1) may be treated as stocks of the Department of Defense upon notification to the congressional defense committees of such treatment.

(5) QUARTERLY REPORTS ON EQUIPMENT DISPOSITION.—

(A) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act and every 90-day period thereafter during which the authority provided by paragraph (1) is exercised, the Secretary of Defense shall submit to the congressional defense committees a report
describing the equipment accepted during the period covered by such report under the following:

(i) This subsection.

(ii) Section 1521(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2575).

(iii) Section 1531(b) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1088).


(B) ELEMENTS.—Each report under subparagraph (A) shall include a list of all equipment that was accepted during the period covered by the report and treated as stocks of the
Department of Defense and copies of the determinations made under paragraph (2), as required by paragraph (3).

(c) SECURITY OF AFGHAN WOMEN.—

(1) IN GENERAL.—Of the funds available to the Department of Defense for the Afghanistan Security Forces Fund for fiscal year 2018, it is the goal that $41,000,000, but in no event less than $10,000,000, shall be used for—

(A) the recruitment, integration, retention, training, and treatment of women in the Afghan National Defense and Security Forces; and

(B) the recruitment, training, and contracting of female security personnel for future elections.

(2) TYPES OF PROGRAMS AND ACTIVITIES.—Such programs and activities may include—

(A) efforts to recruit women into the Afghan National Defense and Security Forces, including the special operations forces;

(B) programs and activities of the Afghan Ministry of Defense Directorate of Human Rights and Gender Integration and the Afghan
Ministry of Interior Office of Human Rights, Gender and Child Rights;

(C) development and dissemination of gender and human rights educational and training materials and programs within the Afghan Ministry of Defense and the Afghan Ministry of Interior;

(D) efforts to address harassment and violence against women within the Afghan National Defense and Security Forces;

(E) improvements to infrastructure that address the requirements of women serving in the Afghan National Defense and Security Forces, including appropriate equipment for female security and police forces, and transportation for policewomen to their station;

(F) support for Afghanistan National Police Family Response Units; and

(G) security provisions for high-profile female police and army officers.

(d) Assessment of Afghanistan Progress on Security Objectives.—

(1) Assessment Required.—Not later than June 1, 2018, the Secretary of Defense shall, in consultation with the Secretary of State, submit to the
Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives and the Committee on Armed Services and the Committee on Foreign Relations of the Senate an assessment describing the progress of the Government of the Islamic Republic of Afghanistan toward meeting shared security objectives. In conducting such assessment, the Secretary of Defense shall consider each of the following:

(A) The extent to which the Government of Afghanistan has taken steps toward increased accountability and reducing corruption within the Ministries of Defense and Interior.

(B) The extent to which the capability and capacity of the Afghan National Defense and Security Forces have improved as a result of Afghanistan Security Forces Fund investment, including through training.

(C) The extent to which the Afghan National Defense and Security Forces have been able to increase pressure on the Taliban, al-Qaeda, the Haqqani network, and other terrorist organizations, including by re-taking territory, defending territory, and disrupting attacks.
1100

(D) Whether or not the Government of Afghanistan is ensuring that supplies, equipment, and weaponry supplied by the United States are appropriately distributed to security forces charged with fighting the Taliban and other terrorist organizations.

(E) Such other factors as the Secretaries consider appropriate.

(2) WITHHOLDING OF ASSISTANCE FOR INSUFFICIENT PROGRESS.—

(A) IN GENERAL.—If the Secretary of Defense determines, in coordination with the Secretary of State, pursuant to the assessment under paragraph (1) that the Government of Afghanistan has made insufficient progress, the Secretary of Defense may withhold assistance for the Afghan National Defense and Security Forces until such time as the Secretary determines sufficient progress has been made.

(B) NOTICE TO CONGRESS.—If the Secretary of Defense withholds assistance under subparagraph (A), the Secretary shall, in coordination with the Secretary of State, provide notice to Congress not later than 30 days after...
making the decision to withhold such assistance.

(e) Inspector General Oversight of Fund.—

(1) Quality Standards for IG Products.—

Except as provided in paragraph (3), each product published or issued by an Inspector General relating to the oversight of programs and activities funded under the Afghanistan Security Forces Fund shall be prepared—

(A) in accordance with the Generally Accepted Government Auditing Standards/Government Auditing Standards (GAGAS/GAS), as issued and updated by the Government Accountability Office; or

(B) if not prepared in accordance with the standards referred to in subparagraph (A), in accordance with the Quality Standards for Inspection and Evaluation issued by the Council of the Inspectors General on Integrity and Efficiency (commonly referred to as the “CIGIE Blue Book”).

(2) Specification of Quality Standards Followed.—Each product published or issued by an Inspector General relating to the oversight of programs and activities funded under the Afghani-
Stan Security Forces Fund shall cite within such product the quality standards followed in conducting and reporting the work concerned.

(3) WAIVER.—The Lead Inspector General for Operation Freedom’s Sentinel may waive the applicability of paragraph (1) to a specific product relating to the oversight by an Inspector General of activities and programs funded under the Afghanistan Security Forces Fund if the Lead Inspector General determines that the waiver would facilitate timely efforts to promote efficiency and effectiveness and prevent, detect, and deter fraud, waste, and abuse. Any product published or issued pursuant to a waiver under this paragraph shall include a statement that work for such product was not conducted in accordance with the standards referred to in paragraph (1) and an explanation why such standards were not employed.

SEC. 1522. JOINT IMPROVISED-THREAT DEFEAT FUND.

(a) USE AND TRANSFER OF FUNDS.—Subsections (b) and (c) of section 1514 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2439), as in effect before the amendments made by section 1503 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009
(Public Law 110–417; 122 Stat. 4649), shall apply to the funds made available for fiscal year 2018 to the Department of Defense for the Joint Improvised-Threat Defeat Fund.

(b) INTERDICTION OF IMPROVISED EXPLOSIVE DEVICE PRECURSOR CHEMICALS.—

(1) AVAILABILITY OF FUNDS.—Of the funds made available to the Department of Defense for the Joint Improvised-Threat Defeat Fund for fiscal year 2018, $15,000,000 may be available to the Secretary of Defense, with the concurrence of the Secretary of State, to provide training, equipment, supplies, and services to ministries and other entities of foreign governments that the Secretary has identified as critical for countering the flow of improvised explosive device precursor chemicals.

(2) PROVISION THROUGH OTHER US AGENCIES.—If jointly agreed upon by the Secretary of Defense and the head of another department or agency of the United States Government, the Secretary of Defense may transfer funds available under paragraph (1) to such department or agency for the provision by such department or agency of training, equipment, supplies, and services to min-
istries and other entities of foreign governments as described in that paragraph.

(3) NOTICE TO CONGRESS.—None of the funds made available pursuant to paragraph (1) may be obligated or expended to supply training, equipment, supplies, or services to a foreign country before the date that is 15 days after the date on which the Secretary of Defense, in coordination with the Secretary of State, submits to the Committee on Armed Services and the Committee on Foreign Relations of the Senate and the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives a notice that contains—

(A) the foreign country for which training, equipment, supplies, or services are proposed to be supplied;

(B) a description of the training, equipment, supplies, and services to be provided using such funds;

(C) a detailed description of the amount of funds proposed to be obligated or expended to supply such training, equipment, supplies or services, including any funds proposed to be obligated or expended to support the participation of another department or agency of the United
States and a description of the training, equipment, supplies, or services proposed to be supplied;

(D) an evaluation of the effectiveness of the efforts of the foreign country identified under subparagraph (A) to counter the flow of improvised explosive device precursor chemicals; and

(E) an overall plan for countering the flow of precursor chemicals in the foreign country identified under subparagraph (A).

(4) Expiration.—The authority provided by this subsection expires on December 31, 2018.

SEC. 1523. COMPTROLLER GENERAL REPORT ON FEASIBILITY OF SEPARATION OF EXPENDITURES.

(a) In General.—Not later than one year after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the Committees on Armed Services of the Senate and the House of Representa-tives a report assessing the feasibility of separating expenditures of amounts appropriated for overseas contingency operations from expenditures of all other amounts appropriated for the Department of Defense.

(b) Elements.—The report required under subsection (a) shall include each of the following:
(1) A review of the processes the Department of Defense currently employs to separate expenditures of amounts appropriated for overseas contingency operations from expenditures of all other amounts appropriated for the Department of Defense.

(2) A review of the processes the Department of the Treasury currently employs to separate expenditures of amounts appropriated for overseas contingency operations from expenditures of all other amounts appropriated for the Department of Defense.

(3) A comparison between each of the processes described in paragraphs (1) and (2) and generally accepted accounting principles.

(4) A description of the costs and requirements associated with implementing proposed alternatives to the processes described in paragraphs (1) and (2) for more effectively separating expenditures of amounts appropriated for overseas contingency operations from expenditures of all other amounts appropriated for the Department of Defense.

(5) Any related information the Comptroller General considers appropriate.
SEC. 1524. GUIDELINES FOR BUDGET ITEMS TO BE COVERED BY OVERSEAS CONTINGENCY OPERATIONS ACCOUNTS.

Not later than 270 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Director of Management and Budget, shall update the guidelines regarding the budget items that may be covered by overseas contingency operations accounts.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

Subtitle A—Space Activities

Sec. 1601. Space acquisition and management and oversight.
Sec. 1602. Codification, extension, and modification of limitation on construction on United States territory of satellite positioning ground monitoring stations of foreign governments.
Sec. 1603. Foreign commercial satellite services: cybersecurity threats and launches.
Sec. 1604. Extension of pilot program on commercial weather data.
Sec. 1605. Evolved Expendable Launch Vehicle modernization and sustainment of assured access to space.
Sec. 1606. Demonstration of backup and complementary positioning, navigation, and timing capabilities of Global Positioning System.
Sec. 1607. Enhancement of positioning, navigation, and timing capacity.
Sec. 1608. Commercial satellite communications pathfinder program.
Sec. 1609. Launch support and infrastructure modernization.
Sec. 1610. Limitation on availability of funding for Joint Space Operations Center mission system.
Sec. 1611. Limitation on use of funds for Delta IV launch vehicle.
Sec. 1612. Air Force space contractor responsibility watch list.
Sec. 1613. Certification and briefing on operational and contingency plans for loss or degradation of space capabilities.
Sec. 1614. Report on protected satellite communications.
Sec. 1615. Sense of Congress on establishment of Space Flag training event.
Sec. 1616. Sense of Congress on coordinating efforts to prepare for space weather events.
Sec. 1617. Sense of Congress on National Space Defense Center.

Subtitle B—Defense Intelligence and Intelligence-Related Activities

Sec. 1621. Security clearances for facilities of certain companies.
Sec. 1622. Extension of authority to engage in certain commercial activities.
Sec. 1623. Submission of audits of commercial activity funds.

Sec. 1624. Clarification of annual briefing on the intelligence, surveillance, and reconnaissance requirements of the combatant commands.

Sec. 1625. Consideration of service by recipients of Boren scholarships and fellowships in excepted service positions as service by such recipients under career appointments for purposes of career tenure.

Sec. 1626. Review of support provided by Defense intelligence elements to acquisition activities of the Department.

Sec. 1627. Establishment of Chairman’s controlled activity within Joint Staff for intelligence, surveillance, and reconnaissance.

Sec. 1628. Requirements relating to multi-use sensitive compartmented information facilities.

Sec. 1629. Limitation on availability of funds for certain counterintelligence activities.

Subtitle C—Cyberspace-Related Matters

PART I—GENERAL CYBER MATTERS

Sec. 1631. Notification requirements for sensitive military cyber operations and cyber weapons.

Sec. 1632. Modification to quarterly cyber operations briefings.

Sec. 1633. Policy of the United States on cyberspace, cybersecurity, and cyber warfare.

Sec. 1634. Prohibition on use of products and services developed or provided by Kaspersky Lab.

Sec. 1635. Modification of authorities relating to establishment of unified combatant command for cyber operations.

Sec. 1636. Modification of definition of acquisition workforce to include personnel contributing to cybersecurity systems.

Sec. 1637. Integration of strategic information operations and cyber-enabled information operations.

Sec. 1638. Exercise on assessing cybersecurity support to election systems of States.

Sec. 1639. Measurement of compliance with cybersecurity requirements for industrial control systems.

Sec. 1640. Strategic Cybersecurity Program.

Sec. 1641. Plan to increase cyber and information operations, deterrence, and defense.

Sec. 1642. Evaluation of agile or iterative development of cyber tools and applications.

Sec. 1643. Assessment of defense critical electric infrastructure.

Sec. 1644. Cyber posture review.

Sec. 1645. Briefing on cyber capability and readiness shortfalls.

Sec. 1646. Briefing on cyber applications of blockchain technology.

Sec. 1647. Briefing on training infrastructure for cyber mission forces.


PART II—CYBERSECURITY EDUCATION

Sec. 1649. Cyber Scholarship Program.

Sec. 1649A. Community college cyber pilot program and assessment.

Sec. 1649B. Federal Cyber Scholarship-for-Service program updates.

Sec. 1649C. Cybersecurity teaching.
Subtitle D—Nuclear Forces

Sec. 1651. Annual assessment of cyber resiliency of nuclear command and control system.

Sec. 1652. Collection, storage, and sharing of data relating to nuclear security enterprise.

Sec. 1653. Notifications regarding dual-capable F–35A aircraft.

Sec. 1654. Oversight of delayed acquisition programs by Council on Oversight of the National Leadership Command, Control, and Communications System.

Sec. 1655. Establishment of Nuclear Command and Control Intelligence Fusion Center.

Sec. 1656. Security of nuclear command, control, and communications system from commercial dependencies.

Sec. 1657. Oversight of aerial-layer programs by Council on Oversight of the National Leadership Command, Control, and Communications System.

Sec. 1658. Security classification guide for programs relating to nuclear command, control, and communications and nuclear deterrence.

Sec. 1659. Evaluation and enhanced security of supply chain for nuclear command, control, and communications and continuity of government programs.

Sec. 1660. Procurement authority for certain parts of intercontinental ballistic missile fuzes.

Sec. 1661. Presidential National Voice Conferencing System and Phoenix Air-to-Ground Communications Network.

Sec. 1662. Limitation on pursuit of certain command and control concept.

Sec. 1663. Prohibition on availability of funds for mobile variant of ground-based strategic deterrent missile.

Sec. 1664. Prohibition on reduction of the intercontinental ballistic missiles of the United States.

Sec. 1665. Modification to annual report on plan for the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery systems, and nuclear weapons command and control system.

Sec. 1666. Establishment of procedures for implementation of Nuclear Enterprise Review.

Sec. 1667. Report on impacts of nuclear proliferation.

Sec. 1668. Certification that the Nuclear Posture Review addresses deterrent effect and operation of United States nuclear forces in current and future security environments.

Sec. 1669. Plan to manage Integrated Tactical Warning and Attack Assessment System and multi-domain sensors.

Sec. 1670. Certification requirement with respect to strategic radiation hardened trusted microelectronics.

Sec. 1671. Nuclear Posture Review.

Sec. 1672. Sense of Congress on importance of independent nuclear deterrent of United Kingdom.

Subtitle E—Missile Defense Programs

Sec. 1676. Administration of missile defense and defeat programs.

Sec. 1677. Condition for proceeding beyond low-rate initial production.

Sec. 1678. Preservation of the ballistic missile defense capacity of the Army.

Sec. 1679. Modernization of Army lower tier air and missile defense sensor.

Sec. 1680. Defense of Hawaii from North Korean ballistic missile attack.

Sec. 1681. Designation of location of continental United States interceptor site.
Sec. 1682. Aegis Ashore anti-air warfare capability.
Sec. 1683. Development of persistent space-based sensor architecture.
Sec. 1684. Iron Dome short-range rocket defense system and Israeli Cooperative Missile Defense Program co-development and co-production.
Sec. 1685. Boost phase ballistic missile defense.
Sec. 1686. Ground-based interceptor capability, capacity, and reliability.
Sec. 1687. Limitation on availability of funds for ground-based midcourse defense element of the ballistic missile defense system.
Sec. 1688. Plan for development of space-based ballistic missile intercept layer.
Sec. 1689. Sense of Congress on the state of the missile defense of the United States.
Sec. 1690. Sense of Congress and report on ground-based midcourse defense testing.

Subtitle F—Other Matters

Sec. 1691. Commission to Assess the Threat to the United States From Electromagnetic Pulse Attacks and Similar Events.
Sec. 1692. Protection of certain facilities and assets from unmanned aircraft.
Sec. 1693. Conventional prompt global strike weapons system.
Sec. 1694. Business case analysis regarding ammonium perchlorate.
Sec. 1695. Report on industrial base for large solid rocket motors and related technologies.
Sec. 1696. Pilot program on enhancing information sharing for security of supply chain.
Sec. 1697. Pilot program on electromagnetic spectrum mapping.
Sec. 1698. Use of commercial items in Distributed Common Ground Systems.

Subtitle A—Space Activities

SEC. 1601. SPACE ACQUISITION AND MANAGEMENT AND OVERSIGHT.

(a) AIR FORCE SPACE COMMAND.—

(1) IN GENERAL.—Chapter 135 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 2279c. Air Force Space Command

“(a) COMMANDER.—(1) The head of the Air Force Space Command shall be the Commander of the Air Force Space Command, who shall be appointed in accordance with section 601 of this title. The officer serving as Com-
mander, while so serving, has the grade of general without vacating the permanent grade of the officer.

“(2) The Commander shall be appointed to serve a term of six years. The Secretary may propose to promote the individual serving as the Commander during that term of appointment.

“(3) The incumbent Commander may serve as the first Commander after the date of the enactment of this Act.

“(b) AUTHORITIES.—In addition to the authorities and responsibilities assigned to the Commander before the date of the enactment of this section, the Commander has the sole authority with respect to each of the following:

“(1) Organizing, training, and equipping personnel and operations of the space forces of the Air Force.

“(2) Subject to the direction of the Secretary of the Air Force, serving as the service acquisition executive under section 1704 of this title for defense space acquisitions.

“(3) In consultation with the Chief Information Officer of the Department of Defense, procurement of commercial satellite communications services for the Department of Defense for such services entered
into on or after the date that is one year after the
date of the enactment of this section.”.

(2) CLERICAL AMENDMENT.—The table of sec-
tions for such chapter is amended by inserting after
the item relating to section 2279b the following new
item:

“2279e. Air Force Space Command.”

(3) RULE OF CONSTRUCTION.—Nothing in sub-
section (b)(1) of section 2279c of title 10, United
States Code, as added by paragraph (1), may be
construed to prohibit or otherwise affect the author-
ity of the Secretary of the Air Force to provide to
the space forces of the Air Force the services of the
Department of the Air Force relating to basic per-
sonnel functions, the United States Air Force Acad-
emy, recruitment, and basic training.

(b) TERMINATION OF CERTAIN POSITIONS AND EN-
tities.—

(1) IN GENERAL.—Effective 30 days after the
date of the enactment of this Act—

(A) the position, and the office of, the
Principal Department of Defense Space Advisor
(Previously known as the Department of De-
fense Executive Agent for Space) shall be ter-
minated;
(B) the duties, responsibilities, and personnel of such office specified in subparagraph (A) shall be transferred to a single official selected by the Deputy Secretary of Defense, without delegation, except the Deputy Secretary may not select the Secretary of the Air Force nor the Under Secretary of Defense for Intelligence;

(C) any reference in Federal law, regulations, guidance, instructions, or other documents of the Federal Government to the Principal Department of Defense Space Advisor or the Department of Defense Executive Agent for Space shall be deemed to be a reference to the official selected by the Deputy Secretary under subparagraph (B);

(D) the position, and the office of, the Deputy Chief of Staff of the Air Force for Space Operations shall be terminated; and

(E) the Defense Space Council shall be terminated.

(2) PRINCIPAL ADVISOR ON SPACE CONTROL.—

(A) REPEAL.—Section 2279a of title 10, United States Code, is repealed.
(B) CLERICAL AMENDMENT.—The table of sections for chapter 135 of such title is amended by striking the item relating to section 2279a.

(b) REDESIGNATION OF OPERATIONALLY RESPONSIVE SPACE PROGRAM OFFICE AS SPACE RAPID CAPABILITIES OFFICE; REPORTING TO AIR FORCE SPACE COMMAND.—

(1) IN GENERAL.—Section 2273a of title 10, United States Code, is amended—

(A) in the section heading, by striking “Operationally Responsive Space Program” and inserting “Space Rapid Capabilities”; and

(B) in subsection (a)—

(i) by striking “Air Force Space and Missile Systems Center of the Department of Defense” and inserting “Air Force Space Command”; and

(ii) by striking “Operationally Responsive Space Program” and inserting “Space Rapid Capabilities”;

(C) in subsection (b), by striking “Air Force Space and Missile Systems Center” and inserting “Air Force Space Command”;
(D) in subsections (c) and (f), by striking “operationally responsive space” each place it appears and inserting “space rapid capabilities”; 

(E) in subsection (d)—

(i) in the matter preceding paragraph (1), by striking “operationally responsive space” and inserting “space rapid capabilities”;

(ii) in paragraph (1), by striking “capabilities for operationally responsive space” and inserting “space rapid capabilities”; 

(iii) in paragraphs (2) and (3), by striking “operationally responsive space” each place it appears and inserting “space rapid capabilities”; and 

(iv) in paragraph (4), by striking “operationally responsive space capabilities” and inserting “space rapid capabilities”. 

(F) in subsection (g)(1), by striking “Operationally Responsive Space” and inserting “Space Rapid Capabilities”.

1115
(2) CLERICAL AMENDMENT.—The table of sections for chapter 135 of such title is amended by striking the item relating to section 2273a and inserting the following new item:

“2273a. Space Rapid Capabilities Office.”.

(c) REVIEW OF STRUCTURE.—

(1) REVIEW.—The Deputy Secretary of Defense shall conduct a review and identify a recommended organizational and management structure for the national security space components of the Department of Defense, including the Air Force Space Command, that implements the organizational policy guidance expressed in this section and the amendments made by this section.

(2) INTERIM REPORT.—Not later than March 1, 2018, the Deputy Secretary of Defense shall submit to the congressional defense committees an interim report on the review and recommended organizational and management structure for the national security space components of the Department of Defense, including the Air Force Space Command, under paragraph (1).

(3) FINAL REPORT.—Not later than August 1, 2018, the Deputy Secretary of Defense shall submit to the congressional defense committees a final report on the review and recommended organizational
and management structure for the national security
space components of the Department of Defense, in-
cluding the Air Force Space Command, under para-
graph (1), including—

(A) a proposed implementation plan for
how the Deputy Secretary would implement the
recommendations;

(B) recommendations for revisions to ap-
pointments and qualifications, duties and pow-
ers, and precedent in the Department;

(C) recommendations for such legislative
and administrative action, including conforming
and other amendments to law, as the Deputy
Secretary considers appropriate to implement
the plan; and

(D) any other matters that the Deputy
Secretary considers appropriate.

(4) PROHIBITION ON DELEGATION.—The Dep-
uty Secretary of Defense may not delegate the au-
thority to carry out this subsection.

(d) INDEPENDENT PLAN TO ESTABLISH MILITARY
DEPARTMENT.—

(1) PLAN.—Not later than 45 days after the
date of the enactment of this Act, the Deputy Sec-
retary of Defense shall seek to enter into a contract
with a federally funded research and development center that is not closely affiliated with the Department of the Air Force to develop a plan to establish a separate military department responsible for the national security space activities of the Department of Defense. Such plan shall include recommendations for legislative language.

(2) INTERIM REPORT.—Not later than August 1, 2018, the Deputy Secretary shall submit to the congressional defense committees an interim report on the plan developed under paragraph (1).

(3) FINAL REPORT.—Not later than December 31, 2018, the Deputy Secretary shall submit to the congressional defense committees a final report containing the plan developed under paragraph (1), without change.

SEC. 1602. CODIFICATION, EXTENSION, AND MODIFICATION OF LIMITATION ON CONSTRUCTION ON UNITED STATES TERRITORY OF SATELLITE POSITIONING GROUND MONITORING STATIONS OF FOREIGN GOVERNMENTS.

(a) CODIFICATION, EXTENSION, AND MODIFICATION.—Chapter 135 of title 10, United States Code, is amended by adding at the end the following new section:
§ 2279c. Limitation on construction on United States territory of satellite positioning ground monitoring stations of certain foreign governments.

“(b) Exception.—The limitation in subsection (a) shall not apply to foreign governments that are allies of the United States.

“(c) Sunset.—The limitation in subsection (a) shall terminate on December 31, 2023.”.

(b) Transfer of Provision.—Subsection (b) of section 1602 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 10 U.S.C. 2281 note) is—

(1) transferred to section 2279c of title 10, United States Code, as added by subsection (a);

(2) inserted as the first subsection of such section;

(3) redesignated as subsection (a); and

(4) amended—

(A) by amending the subsection heading to read as follows: “LIMITATION”; and

(B) by striking paragraph (6).

SEC. 1603. FOREIGN COMMERCIAL SATELLITE SERVICES:

CYBERSECURITY THREATS AND LAUNCHES.

(a) Cybersecurity Risks.—Subsection (a) of section 2279 of title 10, United States Code, is amended—
(1) in paragraph (1), by striking ‘‘; or’’ and insert-
serting a semicolon;

(2) in paragraph (2), by striking the period at
the end and inserting: ‘‘; or’’; and

(3) by adding at the end the following new
paragraph:

‘‘(3) entering into such contract would create
an unacceptable cybersecurity risk for the Depart-
ment of Defense.’’.

(b) LAUNCHES.—Such section is amended—

(1) by redesignating subsections (b) through (e)
as subsections (e) through (f), respectively; and

(2) by inserting after subsection (a) the fol-
lowing new subsection (b):

‘‘(b) LAUNCHES AND MANUFACTURERS.—

‘‘(1) LIMITATION.—In addition to the prohibi-
tion in subsection (a), and except as provided in
paragraph (2) and in subsection (e), the Secretary
may not enter into a contract for satellite services
with any entity if the Secretary reasonably believes
that such satellite services will be provided using
satellites that will be—

‘‘(A) designed or manufactured in a cov-
ered foreign country, or by an entity controlled
in whole or in part by, or acting on behalf of, the government of a covered foreign country; or

“(B) launched using a launch vehicle that is designed or manufactured in a covered foreign country, or that is provided by the government of a covered foreign country or by an entity controlled in whole or in part by, or acting on behalf of, the government of a covered foreign country, regardless of the location of the launch (unless such location is in the United States).

“(2) EXCEPTION.—The limitation in paragraph (1) shall not apply with respect to—

“(A) a launch that occurs prior to December 31, 2022; or

“(B) a contract or other agreement relating to launch services that, prior to the date that is 180 days after the date of the enactment of this subsection, was either fully paid for by the contractor or covered by a legally binding commitment of the contractor to pay for such services.

“(3) LAUNCH VEHICLE DEFINED.—In this subsection, the term ‘launch vehicle’ means a fully integrated space launch vehicle.”.
(c) **DEFINITIONS.**—Subsection (f) of section 2279 of title 10, United States Code, as redesignated by subsection (b)(1)(A), is amended to read as follows:

“(f) **DEFINITIONS.**—In this section:

“(1) The term ‘covered foreign country’ means any of the following:


“(B) The Russian Federation.

“(2) The term ‘cybersecurity risk’ means threats to and vulnerabilities of information or information systems and any related consequences caused by or resulting from unauthorized access, use, disclosure, degradation, disruption, modification, or destruction of such information or information systems, including such related consequences caused by an act of terrorism.”.

(d) **CONFORMING AND CLERICAL AMENDMENTS.**—

(1) **CONFORMING AMENDMENTS.**—Such section 2279 is further amended—

(A) in the section heading, by striking “services” and inserting “services and foreign launches”;
(B) by striking “subsection (b)” each place it appears and inserting “subsection (c)”;

(C) in subsection (a)(2), by striking “launch or other”; 

(D) in subsection (c), as redesignated by subsection (b)(1), by striking “prohibition in subsection (a)” and inserting “prohibitions in subsection (a) and (b)”;

and

(E) in subsection (d), as so redesignated, by striking “prohibition under subsection (a)” and inserting “prohibition under subsection (a) or (b)”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 135 of title 10, United States Code, is amended by striking the item relating to section 2279 and inserting the following:

“2279. Foreign commercial satellite services and foreign launches.”.

(e) APPLICATION.—Except as otherwise specifically provided, the amendments made by this section shall apply with respect to contracts for satellite services awarded by the Secretary of Defense on or after the date of the enactment of this Act.
SEC. 1604. EXTENSION OF PILOT PROGRAM ON COMMERCIAL WEATHER DATA.

Section 1613 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended—

(1) in subsection (b), by striking “one year” and inserting “two years”;

(2) in subsection (c)—

(A) by striking “Committees on Armed Services of the House of Representatives and the Senate” each place it appears and inserting “appropriate congressional committees”; and

(B) by adding at the end the following new paragraph:

“(3) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term ‘appropriate congressional committees’ means—

“(A) the Committees on Armed Services of the Senate and the House of Representatives; and

“(B) the Select Committee on Intelligence of the Senate and the Permanent Select Committee on Intelligence of the House of Representatives.”.
SEC. 1605. EVOLVED EXPENDABLE LAUNCH VEHICLE MODERNIZATION AND SUSTAINMENT OF ASSURED ACCESS TO SPACE.

(a) Development.—

(1) Evolved expendable launch vehicle.—Using funds described in paragraph (3), the Secretary of Defense may only obligate or expend funds to carry out the evolved expendable launch vehicle program to—

(A) develop a domestic rocket propulsion system to replace non-allied space launch engines;

(B) develop the necessary interfaces to, or integration of, such domestic rocket propulsion system with an existing or planned launch vehicle; and

(C) develop capabilities necessary to enable existing or planned commercially available space launch vehicles or infrastructure that are primarily for national security space missions to meet the assured access to space requirements pursuant to section 2273 of title 10, United States Code.

(2) Prohibition.—Except as provided in this section, none of the funds described in paragraph
(3) shall be obligated or expended for the evolved expendable launch vehicle program.

(3) **Funds Described.**—The funds described in this paragraph are the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for research, development, test, and evaluation, Air Force, for the evolved expendable launch vehicle program.

(4) **Termination.**—The authority to carry out subparagraphs (A) and (B) of paragraph (1) shall terminate on the date on which the Secretary of the Air Force certifies to the congressional defense committees that a successful full-scale test of a domestic rocket engine has occurred.

(b) **Other Authorities.**—Nothing in this section shall affect or prohibit the Secretary from procuring launch services of evolved expendable launch vehicle launch systems, including with respect to any associated operation and maintenance of capabilities and infrastructure relating to such systems.

(c) **Notification.**—Not later than 30 days before any date on which the Secretary publishes a draft or final request for proposals, or obligates funds, for the development under subsection (a)(1), the Secretary shall notify the congressional defense committees of such proposed
draft or final request for proposals or proposed obligation, as the case may be. If such proposed draft or final request for proposals or proposed obligation relates to intelligence requirements, the Secretary shall also notify the Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

(d) ASSESSMENT.—Not later than 120 days after the date of the enactment of this Act, the Secretary, in coordination with the Director of Cost Assessment and Program Evaluation, shall submit to the congressional defense committees, the Permanent Select Committee on Intelligence of the House of Representatives, and the Select Committee on Intelligence of the Senate a report containing an assessment of the most cost-effective method to meet the assured access to space requirements pursuant to section 2273 of title 10, United States Code, with respect to each of the following periods:

(1) The five-year period beginning on the date of the report.

(2) The 10-year period beginning on the date of the report.

(3) The period consisting of the full lifecycle of the evolved expendable launch vehicle program.
(e) Rocket Propulsion System Defined.—In this section, the term “rocket propulsion system” means, with respect to the development authorized by subsection (a)(1), a main booster, first-stage rocket engine (including such an engine using kerosene or methane-based or other propellant) or motor. The term does not include a launch vehicle, an upper stage, a strap-on motor, or related infrastructure.

SEC. 1606. DEMONSTRATION OF BACKUP AND COMPLEMENTARY POSITIONING, NAVIGATION, AND TIMING CAPABILITIES OF GLOBAL POSITIONING SYSTEM.

(a) Plan.—During fiscal year 2018, the Secretary of Defense, the Secretary of Transportation, and the Secretary of Homeland Security (referred to in this section as the “Secretaries”) shall jointly develop a plan for carrying out a backup GPS capability demonstration. The plan shall—

(1) be based on the results of the study conducted under section 1618 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2595); and

(2) include the activities that the Secretaries determine necessary to carry out such demonstration.
(b) Briefing.—Not later than 120 days after the date of the enactment of this Act, the Secretaries shall provide to the appropriate congressional committees a briefing on the plan developed under subsection (a). The briefing shall include—

(1) identification of the sectors that would be expected to participate in the backup GPS capability demonstration described in the plan;

(2) an estimate of the costs of implementing the demonstration in each sector identified in paragraph (1); and

(3) an explanation of the extent to which the demonstration may be carried out with the funds appropriated for such purpose.

(c) Implementation.—

(1) In general.—Subject to the availability of appropriations and beginning not earlier than the day after the date on which the briefing is provided under subsection (b), the Secretaries shall jointly initiate the backup GPS capability demonstration to the extent described under subsection (b)(3).

(2) Termination.—The authority to carry out the backup GPS capability demonstration under paragraph (1) shall terminate on the date that is 18 months after the date of the enactment of this Act.
(d) REPORT.—Not later than 18 months after the date of the enactment of this Act, the Secretaries shall submit to the appropriate congressional committees a report on the backup GPS capability demonstration carried out under subsection (c) that includes—

(1) a description of the opportunities and challenges learned from such demonstration; and

(2) a description of the next actions the Secretaries determine appropriate to backup and complement the positioning, navigation, and timing capabilities of the Global Positioning System for national security and critical infrastructure, including, at a minimum, the timeline and funding required to issue a request for proposals for such capabilities.

(e) NSPD–39.—

(1) JOINT FUNDING.—The costs to carry out this section shall be consistent with the responsibilities established in National Security Presidential Directive 39 titled “U.S. Space-Based Positioning, Navigation, and Timing Policy”.

(2) CONSTRUCTION.—Nothing in this section may be construed to modify the roles or responsibilities established in such National Security Presidential Directive 39.
(f) Authorization of Appropriations.—There is authorized to be appropriated to carry out this section for fiscal year 2018 not more than $10,000,000 for the Department of Defense, as specified in the funding tables in division D.

(g) Definitions.—In this section:

(1) The term “appropriate congressional committees” means—

(A) the congressional defense committees;

(B) the Committee on Science, Space, and Technology, the Committee on Transportation and Infrastructure, and the Committee on Homeland Security of the House of Representatives; and

(C) the Committee on Commerce, Science, and Transportation and the Committee on Homeland Security and Governmental Affairs of the Senate.

(2) The term “backup GPS capability demonstration” means a proof-of-concept demonstration of capabilities to backup and complement the positioning, navigation, and timing capabilities of the Global Positioning System for national security and critical infrastructure.
SEC. 1607. ENHANCEMENT OF POSITIONING, NAVIGATION, AND TIMING CAPACITY.

(a) PLAN.—The Secretary of Defense, acting through the Council on Oversight of the Department of Defense Positioning, Navigation, and Timing Enterprise established by section 2279b of title 10, United States Code, shall develop a plan to increase the positioning, navigation, and timing capacity of the Department of Defense to provide resilience to the positioning, navigation, and timing capabilities of the Department. Such plan shall—

(1) ensure that military Global Positioning System user equipment terminals have the capability, including with appropriate mitigation efforts, to receive trusted signals from the Galileo satellites of the European Union and the QZSS satellites of Japan, beginning with increment 2 of the acquisition of such terminals;

(2) evaluate the risks and benefits with respect to ensuring the capability described in paragraph (1);

(3) include an assessment of the feasibility, benefits, and risks of military Global Positioning System user equipment terminals having the capability to receive non-allied positioning, navigation, and timing signals, beginning with increment 2 of the acquisition of such terminals;
(4) include an assessment of options to use hosted payloads to provide redundancy for the Global Positioning System signal;

(5) ensure that the Secretary, with the concurrence of the Secretary of State, engages with relevant allies of the United States to—

   (A) enable military Global Positioning System user equipment terminals to receive the positioning, navigation, and timing signals of such allies; and

   (B) negotiate other potential agreements relating to the enhancement of positioning, navigation, and timing;

(6) include any other options the Secretary of Defense determines appropriate and a determination by the Secretary regarding whether the plan should be implemented; and

(7) include an evaluation by the Director of National Intelligence of the benefits and risks of using non-allied positioning, navigation, and timing signals.

(b) SUBMISSION.—Not later than 120 days after the date of the enactment of this Act, the Secretary shall—

   (1) submit to the congressional defense committees, the Committee on Foreign Affairs of the House
of Representatives, and the Committee on Foreign
Relations of the Senate the plan under subsection
(a); and

(2) submit to the Permanent Select Committee
on Intelligence of the House of Representatives and
the Select Committee on Intelligence of the Senate
the evaluation described in paragraph (6) of such
subsection.

SEC. 1608. COMMERCIAL SATELLITE COMMUNICATIONS
PATHFINDER PROGRAM.

(a) REPORT.—Not later than March 1, 2018, the
Secretary of the Air Force shall submit to the Committees
on Armed Services of the Senate and the House of Rep-
resentatives a report that includes the views and plans of
the Secretary with respect to using the transaction author-
ity provided by section 2371 of title 10, United States
Code, to acquire from commercial providers a portion of
the satellite bandwidth, ground services, and advanced
services for the pathfinder program.

(b) DEFINITION.—In this section, the term “path-
finder program” means the commercial satellite commu-
nications programs of the Air Force designed to dem-
onstrate the feasibility of new, alternative acquisition and
procurement models for commercial satellite communica-
tions.
SEC. 1609. LAUNCH SUPPORT AND INFRASTRUCTURE MODERNIZATION.

(a) In General.—In support of the policy specified in section 2273 of title 10, United States Code, the Secretary of Defense shall carry out a program to modernize infrastructure and improve support activities for the processing and launch of United States national security space vehicles launching from Federal ranges.

(b) Elements.—The program under subsection (a) shall include—

(1) investments in infrastructure to improve operations at the Eastern and Western Ranges that may benefit all users, to enhance the overall capabilities of ranges, to improve safety, and to reduce the long-term cost of operations and maintenance;

(2) measures to normalize processes, systems, and products across the Eastern and Western ranges to minimize the burden on launch providers; and

(3) improvements in transparency, flexibility, and, responsiveness for launch scheduling.

(c) Consultation.—In carrying out the program under subsection (a), the Secretary may consult with current and anticipated users of the Eastern and Western Ranges.
(d) COOPERATION.—In carrying out the program under subsection (a), the Secretary may consider partnerships authorized under section 2276 of title 10, United States Code.

(e) REPORT.—

(1) REPORT REQUIRED.—Not later than 120 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on the plan for the implementation of the program under subsection (a).

(2) ELEMENTS.—The report under paragraph (1) shall include—

(A) a description of plans and the resources needed to improve launch support infrastructure, utilities, support equipment, and range operations;

(B) a description of plans to streamline and normalize processes, systems, and products at the Eastern and Western ranges, to ensure consistency for range users; and

(C) recommendations for improving transparency, flexibility, and responsiveness in launch scheduling.
SEC. 1610. LIMITATION ON AVAILABILITY OF FUNDING FOR JOINT SPACE OPERATIONS CENTER MISSION SYSTEM.

(a) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for the Joint Space Operations Center mission system, not more than 75 percent may be obligated or expended until the date on which the Secretary of the Air Force certifies to the congressional defense committees that the Secretary has developed the plan under subsection (b).

(b) PLAN.—The Secretary shall develop and implement a plan to operationalize existing commercial space situational awareness capabilities to address warfighter requirements, consistent with the best-in-breed concept. Except as provided by subsection (c), the Secretary shall commence such implementation by not later than May 30, 2018.

(c) WAIVER.—The Secretary may waive the implementation of the plan developed under subsection (b) if the Secretary determines that existing commercial capabilities will not address national security requirements or existing space situational awareness capability gaps. The authority under this subsection may not be delegated below the Deputy Secretary of Defense.
SEC. 1611. LIMITATION ON USE OF FUNDS FOR DELTA IV LAUNCH VEHICLE.

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 or any fiscal year thereafter for the Air Force may be obligated or expended to maintain infrastructure, system engineering, critical skills, base and range support, depreciation, or sustainment commodities for the Delta IV launch vehicle until the date on which the Secretary of the Air Force submits to the congressional defense committees a certification that the Air Force plans to launch a satellite procured by the Air Force on a Delta IV launch vehicle during the three-year period beginning on the date of the certification.

SEC. 1612. AIR FORCE SPACE CONTRACTOR RESPONSIBILITY WATCH LIST.

(a) IN GENERAL.—The Commander of the Air Force Space and Missile Systems Center shall establish and maintain a watch list of contractors with a history of poor performance on space procurement contracts or research, development, test, and evaluation space program contracts.

(b) BASIS FOR INCLUSION ON LIST.—

(1) DETERMINATION.—The Commander may place a contractor on the watch list established under subsection (a) upon determining that the abil-
ity of the contractor to perform a contract specified
in such subsection is uncertain because of any of the
following issues:

(A) Poor performance or award fee scores
below 50 percent.

(B) Financial concerns.

(C) Felony convictions or civil judgements.

(D) Security or foreign ownership and con-
trol issues.

(2) DISCRETION OF THE COMMANDER.—The
Commander shall be responsible for determining
which contractors to place on the watch list, whether
an entire company or a specific division should be
included, and when to remove a contractor from the
list.

(e) EFFECT OF LISTING.—

(1) PRIME CONTRACTS.—The Commander may
not solicit an offer from, award a contract to, exe-
cute an engineering change proposal with, or exer-
cise an option on any space program of the Air
Force with a contractor included on the list estab-
lished under subsection (a) without the prior ap-
proval of the Commander.

(2) SUBcontracts.—A prime contractor on a
contract entered into with the Air Force Space and
Missile Systems Center may not enter into a sub-
contract valued in excess of $3,000,000 or five per-
cent of the prime contract value, whichever is lesser,
with a contractor included on the watch list estab-
lished under subsection (a) without the prior ap-
proval of the Commander.

(d) Request for Removal from List.—A con-
tractor may submit to the Commander a written request
for removal from the watch list, including evidence that
the contractor has resolved the issue that was the basis
for inclusion on the list.

(e) Rule of Construction.—Nothing in this sec-
tion shall be construed as preventing the suspension or
debarment of a contractor, but inclusion on the watch list
shall not be construed as a punitive measure or de facto
suspension or debarment of a contractor.

SEC. 1613. CERTIFICATION AND BRIEFING ON OPER-
ATIONAL AND CONTINGENCY PLANS FOR
LOSS OR DEGRADATION OF SPACE CAPABILI-
TIES.

(a) Certification.—Not later than 120 days after
the date of the enactment of this Act, the Secretary of
Defense and the Chairman of the Joint Chiefs of Staff
shall jointly certify to the appropriate congressional com-
mittees that appropriate contingency plans exist in the
event of a loss or degradation of space capabilities of the United States.

(b) BRIEFING.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense and the Chairman of the Joint Chiefs of Staff shall jointly provide to the appropriate congressional committees a briefing on the mitigation of any loss or degradation of space capabilities pursuant to contingency plans described in subsection (a).

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means the following:

(1) The Committees on Armed Services of the House of Representatives and the Senate.

(2) The Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

SEC. 1614. REPORT ON PROTECTED SATELLITE COMMUNICATIONS.

Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on protected satellite communications that contains each of the following:
(1) A joint certification by the Commander of the United States Strategic Command and the Commander of the United States Northern Command that a protected satellite communications system other than the advanced extremely high frequency program will meet all applicable requirements for the nuclear command, control, and communications mission of the Department of Defense, the continuity of government mission of the Department, and all other functions relating to protected communications of the national command authority and the combatant commands, including with respect to operational forces in a peer-near-peer jamming environment.

(2) With respect to such a protected satellite communications system other than the advanced extremely high frequency program, a certification by the Chairman of the Joint Chiefs of Staff that there is a validated military requirement that meets requirements for resilience, mission assurance, and the nuclear command, control, and communications mission of the Department of Defense.

(3) An assessment by the Chairman of the Joint Chiefs of Staff on the effect of developing and fielding all the waveforms and terminals required to
use such a protected satellite communications sys-

tem other than the advanced extremely high fre-

quency program.

(4) A detailed plan by the Secretary of the Air

Force for the ground control system and all user ter-

minals developed and acquired by the Air Force to

be synchronized through development and deploy-

ment to meet all applicable requirements specified in

paragraph (1).

SEC. 1615. SENSE OF CONGRESS ON ESTABLISHMENT OF

SPACE FLAG TRAINING EVENT.

It is the sense of Congress that—

(1) the Secretary of Defense should establish an

annual capstone training event titled “Space Flag”

for space professionals to—

(A) develop and test doctrine, concepts of

operation, and tactics, techniques, and proce-

dures, for—

(i) protecting and defending assets

and interests of the United States through

the spectrum of space control activities;

(ii) operating in the event of degrada-

tion or loss of space capabilities;

(iii) conducting space operations in a

conflict that extends to space;

verDate Nov 24 2008 19:01 Nov 07, 2017 Jkt 000000 PO 00000 Frm 01143 Fmt 6652 Sfmt 6201 C:\USERS\HCROSS\APPDATA\ROAMING\SOFTQUAD\XMET AL\7.0\GEN\C\ASCR18.XML

November 7, 2017 (7:01 p.m.)
(iv) deterring conflict in space; and

(v) other areas the Secretary determines necessary; and

(B) inform and develop the appropriate design of the operational training infrastructure of the space domain, including with respect to appropriate and dedicated ranges, threat replication, test community support, advanced space training requirements, training simulators, and multi-domain force packaging; and

(2) such a training event should—

(A) be modeled on the Red Flag and Cyber Flag exercises; and

(B) include live, virtual, and constructive training and on-orbit threat replication, as appropriate.

SEC. 1616. SENSE OF CONGRESS ON COORDINATING EFFORTS TO PREPARE FOR SPACE WEATHER EVENTS.

It is the sense of Congress that the Secretary of Defense should ensure the timely provision of operational space weather observations, analyses, forecasts, and other products to support the mission of the Department of Defense and coalition partners, including the provision of alerts and warnings for space weather phenomena that
may affect weapons systems, military operations, or the defense of the United States.

SEC. 1617. SENSE OF CONGRESS ON NATIONAL SPACE DEFENSE CENTER.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the National Space Defense Center is critical to defending and securing the space domain in order to protect all United States assets in space;

(2) integration between the intelligence community and the Department of Defense within the National Space Defense Center is essential to detecting, assessing, and reacting to evolving space threats; and

(3) the Department of Defense, including the military departments, and the elements of the intelligence community should seek ways to bolster integration with respect to space threats through work at the National Space Defense Center.

(b) INTELLIGENCE COMMUNITY DEFINED.—In this section, the term “intelligence community” has the meaning given that term in section 3(4) of the National Security Act of 1947 (50 U.S.C. 3003(4)).
Subtitle B—Defense Intelligence and Intelligence-Related Activities

SEC. 1621. SECURITY CLEARANCES FOR FACILITIES OF CERTAIN COMPANIES.

(a) IN GENERAL.—Chapter 141 of title 10, United States Code, is amended by adding at the end the following new section:

“§2410s. Security clearances for facilities of certain companies.

“(a) AUTHORITY.—If the senior management official of a covered company does not have a security clearance, the Secretary of Defense may grant a security clearance to a facility of such company only if the following criteria are met:

“(1) The company has appointed a senior officer, director, or employee of the company who has a security clearance at the level of the security clearance of the facility to act as the senior management official of the company with respect to such facility.

“(2) Any senior management official, senior officer, or director of the company who does not have such a security clearance will not have access to any classified information, including with respect to such facility.
“(3) The company has certified to the Secretary that the senior officer, director, or employee appointed under paragraph (1) has the authority to act on behalf of the company with respect to such facility independent of any senior management official, senior officer, or director described in paragraph (2).

“(4) The facility meets all of the requirements to be granted a security clearance other than any requirement relating to the senior management official of the company having an appropriate security clearance.

“(b) COVERED COMPANY.—In this section, the term ‘covered company’ means a company that has entered into a contract or agreement with the Department of Defense, assists the Department, or requires a facility to process classified information.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“2410s. Security clearances for facilities of certain companies”.

SEC. 1622. EXTENSION OF AUTHORITY TO ENGAGE IN CERTAIN COMMERCIAL ACTIVITIES.

Section 431(a) of title 10, United States Code, is amended by striking “December 31, 2017” and inserting “December 31, 2023”.
SEC. 1623. SUBMISSION OF AUDITS OF COMMERCIAL ACTIVITY FUNDS.

Section 432(b)(2) of title 10, United States Code, is amended—

(1) by striking “promptly”; and
(2) by inserting before the period at the end the following: “by not later than December 31 of each year”.

SEC. 1624. CLARIFICATION OF ANNUAL BRIEFING ON THE INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE REQUIREMENTS OF THE COMBATANT COMMANDS.


(1) by inserting “(including with respect to space-based intelligence, surveillance, and reconnaissance)” after “intelligence, surveillance, and reconnaissance requirements” both places it appears; and
(2) in paragraph (2), by striking “critical intelligence, surveillance and reconnaissance requirements” and inserting “critical intelligence, surveillance, and reconnaissance requirements (including with respect to space-based intelligence, surveillance, and reconnaissance)”.

SEC. 1625. CONSIDERATION OF SERVICE BY RECIPIENTS OF BOREN SCHOLARSHIPS AND FELLOWSHIPS IN EXCEPTED SERVICE POSITIONS AS SERVICE BY SUCH RECIPIENTS UNDER CAREER APPOINTMENTS FOR PURPOSES OF CAREER TENURE.


(1) by redesignating paragraph (3) as paragraph (4);

(2) in paragraph (2), in the matter before subparagraph (A), by striking “(3)(C)” and inserting “(4)(C)”; and

(3) by inserting after paragraph (2) the following:

“(3) CAREER TENURE.—In the case of an individual whose appointment to a position in the excepted service is converted to a career or career-conditional appointment under paragraph (1)(B), the period of service described in such paragraph shall be treated, for purposes of the service requirements for career tenure under title 5, United States Code, as if it were service in a position under a career or career-conditional appointment.”.
SEC. 1626. REVIEW OF SUPPORT PROVIDED BY DEFENSE INTELLIGENCE ELEMENTS TO ACQUISITION ACTIVITIES OF THE DEPARTMENT.

(a) REVIEW.—The Secretary of Defense shall review the support provided by Defense intelligence elements to the acquisition activities conducted by the Secretary, with a specific focus on such support—

(1) consisting of planning, prioritizing, and resourcing relating to developmental weapon systems; and

(2) for existing weapon systems throughout the program lifecycle of such systems.

(b) BUDGET STRUCTURE.—The Secretary shall develop a specific budget structure for a sustainable funding profile to ensure the support provided by Defense intelligence elements described in subsection (a). The Secretary shall implement such structure beginning with the defense budget materials for fiscal year 2020.

(c) BRIEFING.—Not later than May 1, 2018, the Secretary of Defense shall provide to the appropriate congressional committees a briefing on the results of the review under subsection (a) and a plan to carry out subsection (b).

(d) CONSTRUCTION.—Nothing in this section may be construed to relieve the Director of National Intelligence of the responsibility to support the acquisition activities
of the Department of Defense through the National Intel-
ligence Program.

(c) DEFINITIONS.—In this section:

(1) The term “appropriate congressional com-
mittees” means—

(A) the congressional defense committees;

and

(B) the Permanent Select Committee on
Intelligence of the House of Representatives
and the Select Committee on Intelligence of the
Senate.

(2) The term “defense budget materials” has
the meaning given that term in section 231(f) of
title 10, United States Code.

(3) The term “Defense intelligence element”
means any of the agencies, offices, and elements of
the Department of Defense included within the defi-

nition of “intelligence community” under section
3(4) of the National Security Act of 1947 (50
U.S.C. 3003(4)).
SEC. 1627. ESTABLISHMENT OF CHAIRMAN’S CONTROLLED ACTIVITY WITHIN JOINT STAFF FOR INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE.

(a) CHAIRMAN’S CONTROLLED ACTIVITY.—The Chairman of the Joint Chiefs of Staff shall—

(1) undertake the roles, missions, and responsibilities of, and preserve an equal or greater number of personnel billets than the amount of such billets previously prescribed for, the Joint Functional Component Command for Intelligence, Surveillance, and Reconnaissance of the United States Strategic Command; and

(2) not later than 30 days after the date of the enactment of this Act, establish an organization within the Joint Staff—

(A) that is designated as the Joint Staff Intelligence, Surveillance, and Reconnaissance Directorate and Supporting Chairman’s Controlled Activity;

(B) for which the Chairman of the Joint Chiefs of Staff shall serve as the joint functional manager; and

(C) that shall synchronize cross-combatant command intelligence, surveillance, and reconnaissance plans and develop strategies inte-
grating all intelligence, surveillance, and reconnaissance capabilities provided by joint services, the National Reconnaissance Office, combat support intelligence agencies of the Department of Defense, and allies, to satisfy the intelligence needs of the combatant commands for the Department of Defense.

(b) **Lead Agent.**—The Secretary of Defense shall designate the Secretary of the Air Force as the lead agent and sponsor for funding for the organization established under subsection (a)(2).

(c) **Data Collection and Analysis to Support ISR Allocation and Synchronization Processes.**—In coordination with the Director of Cost Analysis and Program Evaluation, the Chairman of the Joint Chiefs of Staff shall issue guidance to the commanders of the geographical combatant commands that requires the commanders to collect sufficient and relevant data regarding the effectiveness of intelligence, surveillance, and reconnaissance measures in a manner that will—

(1) enable the standardized, objective evaluation and analysis of that data with respect to the use and effectiveness of the intelligence, surveillance, and reconnaissance capabilities provided to the commanders; and
(2) support recommendations made by the organization established under subsection (a)(2) to the Secretary of Defense regarding the allocation of intelligence, surveillance, and reconnaissance resources of the Department of Defense.

SEC. 1628. REQUIREMENTS RELATING TO MULTI-USE SENSITIVE COMPARTMENTED INFORMATION FACILITIES.

(a) In General.—In order to facilitate access for small business concerns and nontraditional defense contractors to affordable secure spaces, the Secretary of Defense, in consultation with the Director of National Intelligence, shall develop processes and procedures necessary to build, certify, and maintain certifications for multi-use sensitive compartmented information facilities not tied to a single contract and where multiple companies can securely work on multiple projects at different security levels.

(b) Definitions.—In this section:

(1) The term “small business concern” has the meaning given that term under section 3 of the Small Business Act (15 U.S.C. 632).

(2) The term “nontraditional defense contractors” has the meaning given that term in section 2302 of title 10, United States Code.
SEC. 1629. LIMITATION ON AVAILABILITY OF FUNDS FOR
CERTAIN COUNTERINTELLIGENCE ACTIVITIES.

(a) LIMITATION ON COUNTERINTELLIGENCE ACTIVITIES.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 under the Military Intelligence Program for operation and maintenance, Defense-wide, for the Defense Intelligence Agency for counterintelligence activities, not more than 75 percent may be obligated or expended until the date on which the Director of the Defense Intelligence Agency submits to the appropriate congressional committees the report under subsection (b).

(b) REPORT ON CERTAIN RESOURCES.—Not later than March 1, 2018, the Director of the Defense Intelligence Agency shall submit to the appropriate congressional committees a report that includes an accounting of the counterintelligence enterprise management resources transferred from the Counterintelligence Field Activity to the Defense Intelligence Agency that identifies such resources that are no longer dedicated to counterintelligence activities, as of the date of the report.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees; and
(2) the Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

Subtitle C—Cyberspace-Related Matters

PART I—GENERAL CYBER MATTERS

SEC. 1631. NOTIFICATION REQUIREMENTS FOR SENSITIVE MILITARY CYBER OPERATIONS AND CYBER WEAPONS.

(a) NOTIFICATION.—Chapter 3 of title 10, United States Code, is amended by adding at the end the following new sections:

“§ 130j. Notification requirements for sensitive military cyber operations

“(a) IN GENERAL.—Except as provided in subsection (d), the Secretary of Defense shall promptly submit to the congressional defense committees notice in writing of any sensitive military cyber operation conducted under this title no later than 48 hours following such operation.

“(b) PROCEDURES.—(1) The Secretary of Defense shall establish and submit to the congressional defense committees procedures for complying with the requirements of subsection (a) consistent with the national security of the United States and the protection of operational integrity. The Secretary shall promptly notify the congres-
sional defense committees in writing of any changes to such procedures at least 14 days prior to the adoption of any such changes.

“(2) The congressional defense committees shall ensure that committee procedures designed to protect from unauthorized disclosure classified information relating to national security of the United States are sufficient to protect the information that is submitted to the committees pursuant to this section.

“(3) In the event of an unauthorized disclosure of a sensitive military cyber operation covered by this section, the Secretary shall ensure, to the maximum extent practicable, that the congressional defense committees are notified immediately of the sensitive military cyber operation concerned. The notification under this paragraph may be verbal or written, but in the event of a verbal notification a written notification shall be provided by not later than 48 hours after the provision of the verbal notification.

“(c) SENSITIVE MILITARY CYBER OPERATION DEFINED.—(1) In this section, the term ‘sensitive military cyber operation’ means an action described in paragraph (2) that—

“(A) is carried out by the armed forces of the United States; and
“(B) is intended to cause cyber effects outside a geographic location—

“(i) where the armed forces of the United States are involved in hostilities (as that term is used in section 1543 of title 50, United States Code); or

“(ii) with respect to which hostilities have been declared by the United States.

“(2) The actions described in this paragraph are the following:

“(A) An offensive cyber operation.

“(B) A defensive cyber operation outside the Department of Defense Information Networks to defeat an ongoing or imminent threat.

“(d) EXCEPTIONS.—The notification requirement under subsection (a) does not apply—

“(1) to a training exercise conducted with the consent of all nations where the intended effects of the exercise will occur; or

“(2) to a covert action (as that term is defined in section 3093 of title 50, United States Code).

“(e) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to provide any new authority or to alter or otherwise affect the War Powers Resolution (50 U.S.C. 1541 et seq.), the Authorization for Use of Military
§ 130k. Notification requirements for cyber weapons

(a) IN GENERAL.—Except as provided in subsection (c), the Secretary of Defense shall promptly submit to the congressional defense committees notice in writing of the following:

“(1) With respect to a cyber capability that is intended for use as a weapon, on a quarterly basis, the aggregated results of all reviews of the capability for legality under international law pursuant to Department of Defense Directive 5000.01 carried out by any military department concerned.

“(2) The use as a weapon of any cyber capability that has been approved for such use under international law by a military department no later than 48 hours following such use.

(b) PROCEDURES.—(1) The Secretary of Defense shall establish and submit to the congressional defense committees procedures for complying with the requirements of subsection (a) consistent with the national security of the United States and the protection of operational integrity. The Secretary shall promptly notify the congressional defense committees in writing of any changes to
such procedures at least 14 days prior to the adoption of any such changes.

“(2) The congressional defense committees shall ensure that committee procedures designed to protect from unauthorized disclosure classified information relating to national security of the United States are sufficient to protect the information that is submitted to the committees pursuant to this section.

“(3) In the event of an unauthorized disclosure of a cyber capability covered by this section, the Secretary shall ensure, to the maximum extent practicable, that the congressional defense committees are notified immediately of the cyber capability concerned. The notification under this paragraph may be verbal or written, but in the event of a verbal notification a written notification shall be provided by not later than 48 hours after the provision of the verbal notification.

“(c) EXCEPTIONS.—The notification requirement under subsection (a) does not apply—

“(1) to a training exercise conducted with the consent of all nations where the intended effects of the exercise will occur; or

“(2) to a covert action (as that term is defined in section 3093 of title 50, United States Code).
“(d) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to provide any new authority or to alter or otherwise affect the War Powers Resolution (50 U.S.C. 1541 et seq.), the Authorization for Use of Military Force (Public Law 107–40; 50 U.S.C. 1541 note), or any requirement under the National Security Act of 1947 (50 U.S.C. 3001 et seq.).”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by adding at the end the following new items:

“130j. Notification requirements for sensitive military cyber operations
130k. Notification requirements for cyber weapons”.

SEC. 1632. MODIFICATION TO QUARTERLY CYBER OPERATIONS BRIEFINGS.

(a) IN GENERAL.—Section 484 of title 10, United States Code, is amended—

(1) by striking “The Secretary of Defense shall provide to the Committees on Armed Services of the House of Representatives and the Senate” and inserting the following:

“(a) BRIEFINGS REQUIRED.—The Secretary of Defense shall provide to the congressional defense committees”; and

(2) by adding at the end the following:
“(b) ELEMENTS.—Each briefing under subsection (a) shall include, with respect to the military operations in cyberspace described in such subsection, the following:

“(1) An update, set forth separately for each geographic and functional command, that describes the operations carried out by the command and any hostile cyber activity directed at the command.

“(2) An overview of authorities and legal issues applicable to the operations, including any relevant legal limitations.

“(3) An outline of any interagency activities and initiatives relating to the operations.

“(4) Any other matters the Secretary determines to be appropriate.”.

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on the date of the enactment of this Act, and shall apply with respect to briefings required be provided under section 484 of title 10, United States Code, on or after that date.

SEC. 1633. POLICY OF THE UNITED STATES ON CYBER-SPACE, CYBERSECURITY, AND CYBER WAR-FARE.

(a) IN GENERAL.—The President shall—
(1) develop a national policy for the United States relating to cyberspace, cybersecurity, and cyber warfare; and

(2) submit to the appropriate congressional committees a report on the policy.

(b) ELEMENTS.—The national policy required under subsection (a) shall include the following elements:

(1) Delineation of the instruments of national power available to deter or respond to cyber attacks or other malicious cyber activities by a foreign power or actor that targets United States interests.

(2) Available or planned response options to address the full range of potential cyber attacks on United States interests that could be conducted by potential adversaries of the United States.

(3) Available or planned denial options that prioritize the defensibility and resiliency against cyber attacks and malicious cyber activities that are carried out against infrastructure critical to the political integrity, economic security, and national security of the United States.

(4) Available or planned cyber capabilities that may be used to impose costs on any foreign power targeting the United States or United States persons with a cyber attack or malicious cyber activity.
(5) Development of multi-prong response options, such as—

(A) boosting the cyber resilience of critical United States strike systems (including cyber, nuclear, and non-nuclear systems) in order to ensure the United States can credibly threaten to impose unacceptable costs in response to even the most sophisticated large-scale cyber attack;

(B) developing offensive cyber capabilities and specific plans and strategies to put at risk targets most valued by adversaries of the United States and their key decision makers; and

(C) enhancing attribution capabilities and developing intelligence and offensive cyber capabilities to detect, disrupt, and potentially expose malicious cyber activities.

(c) LIMITATION ON AVAILABILITY OF FUNDS.—

(1) IN GENERAL.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for procurement, research, development, test and evaluation, and operations and maintenance, for the covered activities of the Defense Information Systems Agency, not more than
60 percent may be obligated or expended until the
date on which the President submits to the appro-
priate congressional committees the report under
subsection (a)(2).

(2) COVERED ACTIVITIES DESCRIBED.—The
covered activities referred to in paragraph (1) are
the activities of the Defense Information Systems
Agency in support of—

(A) the White House Communication
Agency; and

(B) the White House Situation Support
Staff.

(d) DEFINITIONS.—In this section:

(1) The term “foreign power” has the meaning
given that term in section 101 of the Foreign Intel-

(2) The term “appropriate congressional com-
mittees” means—

(A) the congressional defense committees;

(B) the Committee on Foreign Affairs, the
Committee on Homeland Security, and the
Committee on the Judiciary of the House of
Representatives; and

(C) the Committee on Foreign Relations,
the Committee on Homeland Security and Gov-
ernmental Affairs, and the Committee on the Judiciary of the Senate.

SEC. 1634. PROHIBITION ON USE OF PRODUCTS AND SERVICES DEVELOPED OR PROVIDED BY KASPERSKY LAB.

(a) PROHIBITION.—No department, agency, organization, or other element of the Federal Government may use, whether directly or through work with or on behalf of another department, agency, organization, or element of the Federal Government, any hardware, software, or services developed or provided, in whole or in part, by—

(1) Kaspersky Lab (or any successor entity);

(2) any entity that controls, is controlled by, or is under common control with Kaspersky Lab; or

(3) any entity of which Kaspersky Lab has majority ownership.

(b) EFFECTIVE DATE.—The prohibition in subsection (a) shall take effect on October 1, 2018.

(c) REVIEW AND REPORT.—

(1) REVIEW.—The Secretary of Defense, in consultation with the Secretary of Energy, the Secretary of Homeland Security, the Attorney General, the Administrator of the General Services Administration, and the Director of National Intelligence, shall conduct a review of the procedures for remov-
(2) REPORT.—

(A) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, Secretary of Defense shall submit to the appropriate congressional committees a report on the review conducted under paragraph (1).

(B) ELEMENTS.—The report under subparagraph (A) shall include the following:

(i) A description of the Federal Government-wide authorities that may be used to prohibit, exclude, or prevent the use of suspect products or services on the information technology networks of the Federal Government, including—

(I) the discretionary authorities of agencies to prohibit, exclude, or prevent the use of such products or services;

(II) the authorities of a suspension and debarment official to prohibit, exclude, or prevent the use of such products or services;
1168

(III) authorities relating to supply chain risk management;

(IV) authorities that provide for the continuous monitoring of information technology networks to identify suspect products or services; and

(V) the authorities provided under the Federal Information Security Management Act of 2002.

(ii) Assessment of any gaps in the authorities described in clause (i), including any gaps in the enforcement of decisions made under such authorities.

(iii) An explanation of the capabilities and methodologies used to periodically assess and monitor the information technology networks of the Federal Government for prohibited products or services.

(iv) An assessment of the ability of the Federal Government to periodically conduct training and exercises in the use of the authorities described in clause (i)—

(I) to identify recommendations for streamlining process; and
(II) to identify recommendations
for education and training curricula,
to be integrated into existing training
or certification courses.

(v) A description of information shar-
ing mechanisms that may be used to share
information about suspect products or
services, including mechanisms for the
sharing of such information among the
Federal Government, industry, the public,
and international partners.

(vi) Identification of existing tools for
business intelligence, application manage-
ment, and commerce due-diligence that are
either in use by elements of the Federal
Government, or that are available commer-
cially.

(vii) Recommendations for improving
the authorities, processes, resourcing, and
capabilities of the Federal Government for
the purpose of improving the procedures
for identifying and removing prohibited
products or services from the information
technology networks of the Federal Gov-
ernment.
(viii) Any other matters the Secretary determines to be appropriate.

(C) FORM.—The report under subparagraph (A) shall be submitted in unclassified form, but may include a classified annex.

(3) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means the following:

(A) The Committee on Armed Services, the Committee on Energy and Commerce, the Committee on Homeland Security, the Committee on the Judiciary, the Committee on Oversight and Government Reform, and the Permanent Select Committee on Intelligence of the House of Representatives.

(B) The Committee on Armed Services, the Committee on Energy and Natural Resources, the Committee on Homeland Security and Governmental Affairs, the Committee on the Judiciary, and the Select Committee on Intelligence of the Senate.
SEC. 1635. MODIFICATION OF AUTHORITIES RELATING TO

ESTABLISHMENT OF UNIFIED COMBATANT

COMMAND FOR CYBER OPERATIONS.

Section 167b of title 10, United States Code, is
amended—

(1) by striking subsection (d); and

(2) by redesignating subsections (e) and (f) as

subsections (d) and (e), respectively.

SEC. 1636. MODIFICATION OF DEFINITION OF ACQUISITION

WORKFORCE TO INCLUDE PERSONNEL CONTRIB-

UTING TO CYBERSECURITY SYSTEMS.

Section 1705(h)(2)(A) of title 10, United States
Code, is amended—

(1) by inserting “(i)” after “(A)”;

(2) by striking “; and” and inserting “; or”; and

(3) by adding at the end the following new

clause:

“(ii) contribute significantly to the acquisi-

tion or development of systems relating to cy-

bersecurity; and”.

SEC. 1637. INTEGRATION OF STRATEGIC INFORMATION OP-

ERATIONS AND CYBER-ENABLED INFORMATION OPERATIONS.

(a) PROCESSES AND PROCEDURES FOR INTEGRA-

TION.—
(1) IN GENERAL.—The Secretary of Defense shall—

(A) establish processes and procedures to integrate strategic information operations and cyber-enabled information operations across the elements of the Department of Defense responsible for such operations, including the elements of the Department responsible for military deception, public affairs, electronic warfare, and cyber operations; and

(B) ensure that such processes and procedures provide for integrated Defense-wide strategy, planning, and budgeting with respect to the conduct of such operations by the Department, including activities conducted to counter and deter such operations by malign actors.

(2) DESIGNATED SENIOR OFFICIAL.—The Secretary of Defense shall designate a senior official of the Department of Defense (in this section referred to as the “designated senior official”) who shall implement and oversee the processes and procedures established under paragraph (1). The designated senior official shall be selected by the Secretary from among individuals serving in the Department of De-
fense at or below the level of an Under Secretary of Defense.

(3) RESPONSIBILITIES.—The designated senior official shall have, with respect to the implementation and oversight of the processes and procedures established under paragraph (1), the following responsibilities:

(A) Oversight of strategic policy and guidance.

(B) Overall resource management for the integration of information operations and cyber-enabled information operations of the Department.

(C) Coordination with the head of the Global Engagement Center to support the purpose of the Center (as described section 1287(a)(2) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 22 U.S.C. 2656 note)) and liaison with the Center and other relevant Federal Government entities to support such purpose.

(D) Development of a strategic framework for the conduct of information operations by the Department of Defense, including cyber-enabled information operations, coordinated across all
relevant elements of the Department of Defense, including both near-term and long-term guidance for the conduct of such coordinated operations.

(E) Development and dissemination of a common operating paradigm across the elements of the Department of Defense specified in paragraph (1) to counter the influence, deception, and propaganda activities of key malign actors, including in cyberspace.

(F) Development of guidance for, and promotion of, the capability of the Department of Defense to liaison with the private sector, including social media, on matters relating to the influence activities of malign actors.

(b) REQUIREMENTS AND PLANS FOR INFORMATION OPERATIONS.—

(1) COMBATANT COMMAND PLANNING AND REGIONAL STRATEGY.—(A) The Secretary shall require each commander of a combatant command to develop, in coordination with the relevant regional Assistant Secretary of State or Assistant Secretaries of State and with the assistance of the Coordinator of the Global Engagement Center and the designated senior official, a regional information strategy and
interagency coordination plan for carrying out the
strategy, where applicable.

(B) The Secretary shall require each com-
mander of a combatant command to develop
such requirements and specific plans as may be
necessary for the conduct of information oper-
ations in support of the strategy required under
subparagraph (A), including plans for deterring
information operations, including deterrence in
the cyber domain, by malign actors against the
United States, allies of the United States, and
interests of the United States.

(2) IMPLEMENTATION PLAN FOR DOD STRAT-
EGY FOR OPERATIONS IN THE INFORMATION ENVI-
RONMENT.—

(A) IN GENERAL.—Not later than 180
days after the date of the enactment of this
Act, the designated senior official shall—

(i) review the strategy of the Depart-
ment of Defense titled “Department of De-
fense Strategy for Operations in the Infor-
mation Environment” and dated June
2016; and
(ii) submit to the congressional defense committees a plan for implementation of such strategy.

(B) ELEMENTS.—The plan required under subparagraph (A) shall include, at a minimum, the following:

(i) An accounting of the efforts undertaken in support of the strategy described in subparagraph (A)(i) in the period since it was issued in June 2016.

(ii) A description of any updates or changes to such strategy that have been made since it was first issued, as well as any expected updates or changes resulting from the designation of the designated senior official.

(iii) A description of the role of the Department of Defense as part of a broader whole-of-Government strategy for strategic communications, including a description of any assumptions about the roles and contributions of other departments and agencies of the Federal Government with respect to such a strategy.
(iv) Defined actions, performance metrics, and projected timelines for achieving each of the 15 tasks specified in the strategy described in subparagraph (A)(i).

(v) An analysis of any personnel, resourcing, capability, authority, or other gaps that will need to be addressed to ensure effective implementation of the strategy described in subparagraph (A)(i) across all relevant elements of the Department of Defense.

(vi) An investment framework and projected timeline for addressing any gaps identified under clause (v).

(vii) Such other matters as the Secretary of Defense considers relevant.

(C) PERIODIC STATUS REPORTS.—Not less frequently than once every 90 days during the three-year period beginning on the date on which the implementation plan is submitted under subparagraph (A)(ii), the designated senior official shall submit to the congressional defense committees a report describing the status of the efforts of the Department of Defense in
accomplishing the tasks specified under clauses (iv) and (vi) of subparagraph (B).

(c) Training and Education.—Consistent with the elements of the implementation plan under paragraph (2), the designated senior official shall recommend the establishment of programs to provide training and education to such members of the Armed Forces and civilian employees of the Department of Defense as the Secretary considers appropriate to ensure that such members and employees understand the role of information in warfare, the central goal of all military operations to affect the perceptions, views, and decision making of adversaries, and the effective management and conduct of operations in the information environment.

SEC. 1638. EXERCISE ON ASSESSING CYBERSECURITY SUPPORT TO ELECTION SYSTEMS OF STATES.

(a) Inclusion of Cyber Vulnerabilities in Election Systems in Cyber Guard Exercises.—Subject to subsection (b), the Secretary of Defense, in consultation with the Secretary of Homeland Security, may carry out exercises relating to the cybersecurity of election systems of States as part of the exercise commonly known as the “Cyber Guard Exercise”.

(b) Agreement Required.—The Secretary of Defense may carry out an exercise relating to the cybersecu-
rity of a State’s election system under subsection (a) only if the State enters into a written agreement with the Secretary under which the State—

(1) agrees to participate in such exercise; and

(2) agrees to allow vulnerability testing of the components of the State’s election system.

(e) REPORT.—Not later than 90 days after the completion of any Cyber Guard Exercise, the Secretary of Defense shall submit to the congressional defense committees a report on the ability of the National Guard to assist States, if called upon, in defending election systems from cyberattacks. Such report shall include a description of the capabilities, readiness levels, and best practices of the National Guard with respect to the prevention of cyber attacks on State election systems.

SEC. 1639. MEASUREMENT OF COMPLIANCE WITH CYBER-SECURITY REQUIREMENTS FOR INDUSTRIAL CONTROL SYSTEMS.

(a) IN GENERAL.—Not later than January 1, 2018, the Secretary of Defense shall make such changes to the cybersecurity scorecard as are necessary to ensure that the Secretary measures the progress of each element of the Department of Defense in securing the industrial control systems of the Department against cyber threats, including such industrial control systems as supervisory control
and data acquisition systems, distributed control systems, programmable logic controllers, and platform information technology.

(b) CYBERSECURITY SCORECARD DEFINED.—In this section, the term “cybersecurity scorecard” means the Department of Defense Cybersecurity Scorecard used by the Department to measure compliance with cybersecurity requirements as described in the plan of the Department titled “Department of Defense Cybersecurity Discipline Implementation Plan”.

SEC. 1640. STRATEGIC CYBERSECURITY PROGRAM.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Director of the National Security Agency, shall submit to the congressional defense committees a plan for the establishment of a program to be known as the “Strategic Cybersecurity Program” or “SCP” (in this section referred to as the “Program”).

(b) ELEMENTS.—The Program shall be comprised of personnel assigned to the Program by the Secretary of Defense from among personnel, including regular and reserve members of the Armed Forces, civilian employees of the Department, and personnel of the research laboratories of the Department of Defense and the Department of Energy, who have particular expertise in the areas of respon-
sibility described in subsection (c). Any personnel assigned to the Program from among personnel of the Department of Energy shall be so assigned with the concurrence of the Secretary of Energy.

(c) RESPONSIBILITIES.—

(1) IN GENERAL.—Personnel assigned to the Program shall assist the Department of Defense in improving the cybersecurity of the following systems of the Federal Government:

(A) Offensive cyber systems.

(B) Long-range strike systems.

(C) Nuclear deterrent systems.

(D) National security systems.

(E) Critical infrastructure of the Department of Defense (as that term is defined in section 1650(f)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2224 note)).

(2) REVIEWS OF SYSTEMS AND INFRASTRUCTURE.—In carrying out the activities described in paragraph (1), the personnel assigned to the Program shall conduct appropriate reviews of existing systems and infrastructure and acquisition plans for proposed systems and infrastructure. The review of an acquisition plan for any proposed system or in-
(3) Results of Reviews.—The results of each review carried out under paragraph (2), including any remedial action recommended pursuant to such review, shall be made available to any agencies or organizations of the Department involved in the development, procurement, operation, or maintenance of the system or infrastructure concerned.

(d) Integration With Other Efforts.—The plan required under subsection (a) shall build upon, and shall not duplicate, other efforts of the Department of Defense relating to cybersecurity, including—

(1) the evaluation of cyber vulnerabilities of major weapon systems of the Department of Defense required under section 1647 of the National Defense Authorization Act for Fiscal Year 2016 (114–92; 129 Stat. 1118);

(2) the evaluation of cyber vulnerabilities of Department of Defense critical infrastructure required under section 1650 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2224 note); and

(3) the activities of the cyber protection teams of the Department of Defense.
(c) REPORT.—Not later than one year after the date on which the plan is submitted to the congressional defense committees under subsection (a), the Secretary of Defense shall submit to the congressional defense committees a report on any activities carried out pursuant to such plan. The report shall include the following:

(1) A description of any activities of the Program carried out pursuant to the plan during the time period covered by the report.

(2) A description of particular challenges encountered in the course of the activities of the Program, if any, and of actions taken to address such challenges.

(3) A description of any plans for additional activities under the Program.

SEC. 1641. PLAN TO INCREASE CYBER AND INFORMATION OPERATIONS, DETERRENCE, AND DEFENSE.

(a) PLAN.—The Secretary of Defense shall develop a plan to—

(1) increase inclusion of regional cyber planning within larger joint planning exercises of the United States in the Indo-Asia-Pacific region;

(2) enhance joint, regional, and combined information operations and strategic communication strategies to counter Chinese and North Korean in-
formation warfare, malign influence, and propaganda activities; and

(3) identify potential areas of cybersecurity collaboration and partnership capabilities with Asian allies and partners of the United States.

(b) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall provide to the congressional defense committees a briefing on the plan required under subsection (a).

SEC. 1642. EVALUATION OF AGILE OR ITERATIVE DEVELOPMENT OF CYBER TOOLS AND APPLICATIONS.

(a) EVALUATION REQUIRED.—The Commander of the United States Cyber Command (in this section referred to as the “Commander”) shall conduct an evaluation of alternative methods for developing, acquiring, and maintaining software-based cyber tools and applications for the United States Cyber Command, the Army Cyber Command, the Fleet Cyber Command, the Air Force Cyber Command, and the Marine Corps Cyberspace Command.

(b) GOAL.—The goal of the evaluation required by subsection (a) shall be to identify a set of practices that will—

(1) increase the speed of development of cyber capabilities of the Armed Forces;
(2) provide more effective tools and capabilities for developing, acquiring, and maintaining software-based cyber tools and applications for the Armed Forces; and

(3) create a repeatable, disciplined process for developing, acquiring, and maintaining software-based cyber tools and applications for the Armed Forces through which progress and success or failure can be continuously measured.

(c) **Consideration of Agile or Iterative Development, and Other Best Practices.**—

(1) **In General.**—The evaluation required by subsection (a) shall include, with respect to the development, acquisition, and maintenance of software-based cyber tools and applications, consideration of agile or iterative development practices, agile acquisition practices, and other similar best practices of commercial industry.

(2) **Considerations.**—In carrying out the evaluation required by subsection (a), the Commander shall assess requirements for implementing the practices described in paragraph (1) and consider changes to established acquisition practices that may be necessary to implement the practices.
described in such paragraph, including changes to the following:

(A) The requirements process.
(B) Contracting.
(C) Testing.
(D) User involvement in the development process.
(E) Program management.
(F) Milestone reviews and approvals.
(G) The definitions of “research and development”, “procurement”, and “sustainment”.
(H) The constraints of current appropriations account definitions.

(d) **Assessment of Training and Education Requirements.**—In carrying out the evaluation required by subsection (a), the Commander shall assess training and education requirements for personnel in all areas and at all levels of management relevant to the successful adoption of new acquisition models and methods for developing, acquiring, and maintaining cyber tools and applications as described in such subsection.

(e) **Services and Expertise.**—In carrying out the evaluation required by subsection (a), the Commander shall—

(1) obtain services and expertise from—
(A) the Defense Digital Service; and

(B) federally funded research and development centers, such as the Software Engineering Institute and the MITRE Corporation; and

(2) consult with such commercial software companies as the Commander considers appropriate to learn about relevant commercial best practices.

(f) Recommendations.—

(1) In general.—Not later than 120 days after the date of the enactment of this Act, the Commander shall submit to the Secretary of Defense recommendations for experimenting with or adopting new acquisition methods identified pursuant to the evaluation under subsection (a), including recommendations for any actions that should be carried out to ensure the successful implementation of such methods.

(2) Congressional briefing.—Not later than 14 days after submitting recommendations to the Secretary under paragraph (1), the Commander shall provide to the congressional defense committees a briefing on the recommendations.

(g) Preservation of existing authority.—The evaluation required under subsection (a) is intended to inform future acquisition approaches. Nothing in this sec-
tion shall be construed to limit or impede the Commander
in exercising the authority provided under section 807 of
the National Defense Authorization Act for Fiscal Year

(h) AGILE OR ITERATIVE DEVELOPMENT DE-
FINED.—In this section, the term “agile or iterative de-
velopment”, with respect to software—

(1) means acquisition pursuant to a method for
delivering multiple, rapid, incremental capabilities to
the user for operational use, evaluation, and feed-
back not exclusively linked to any single, proprietary
method or process; and

(2) involves—

(A) the incremental development and field-
ing of capabilities, commonly called “spirals”,
“spins”, or “sprints”, which can be measured
in a few weeks or months; and

(B) continuous participation and collabora-
tion by users, testers, and requirements au-
thorities.

SEC. 1643. ASSESSMENT OF DEFENSE CRITICAL ELECTRIC
INFRASTRUCTURE.

Section 1650(b)(1) of the National Defense Author-
ization Act for fiscal year 2017 (114–328; 10 U.S.C. 2224
note) is amended—
(1) in subparagraph (C), by striking “and” at the end;

(2) in subparagraph (D), by striking the period at the end and inserting “; and”; and

(3) by adding at the end the following:

“(E) to assess the strategic benefits derived from, and the challenges associated with, isolating military infrastructure from the national electric grid and the use of microgrids.”.

SEC. 1644. CYBER POSTURE REVIEW.

(a) REQUIREMENT FOR COMPREHENSIVE REVIEW.—In order to clarify the near-term policy and strategy of the United States with respect to cyber deterrence, the Secretary of Defense shall conduct a comprehensive review of the cyber posture of the United States over the posture review period.

(b) CONSULTATION.—The Secretary of Defense shall conduct the review under subsection (a) in consultation with the Director of National Intelligence, the Attorney General, the Secretary of Homeland Security, and the Secretary of State, as appropriate.

(c) ELEMENTS OF REVIEW.—The review conducted under subsection (a) shall include, for the posture review period, the following elements:
(1) The role of cyber forces in the military strategy, planning, and programming of the United States.

(2) Review of the role of cyber operations in combatant commander operational planning, the ability of combatant commanders to respond to hostile acts by adversaries, and the ability of combatant commanders to engage and build capacity with allies.

(3) A review of the law, policies, and authorities relating to, and necessary for the United States to maintain, a safe, reliable, and credible cyber posture for responding to cyber attacks and for deterrence in cyberspace.

(4) A declaratory policy relating to the responses of the United States to cyber attacks of significant consequence.

(5) Proposed norms for the conduct of offensive cyber operations for deterrence and in crisis and conflict.

(6) Guidance for the development of a cyber deterrence strategy (which may include activities, capability efforts, and operations other than cyber activities, cyber capability efforts, and cyber operations), including—
(A) a review and assessment of various approaches to cyber deterrence, determined in consultation with experts from Government, academia, and industry;

(B) a comparison of the strengths and weaknesses of the approaches identified under subparagraph (A) relative to the threat and to each other; and

(C) an explanation of how the cyber deterrence strategy will inform country-specific deterrence campaign plans focused on key leadership of Russia, China, Iran, North Korea, and any other country the Secretary considers appropriate.

(7) Identification of the steps that should be taken to bolster stability in cyberspace and, more broadly, stability between major powers, taking into account—

(A) the analysis and gaming of escalation dynamics in various scenarios; and

(B) consideration of the spiral escalatory effects of countries developing increasingly potent offensive cyber capabilities.
(8) A determination of whether sufficient personnel are trained and equipped to meet validated cyber requirements.

(9) Such other matters as the Secretary considers appropriate.

(d) Report.—

(1) In general.—The Secretary of Defense shall submit to the congressional defense committees a report on the results of the cyber posture review conducted under subsection (a).

(2) Form of report.—The report under paragraph (1) may be submitted in unclassified form or classified form, as necessary.

(3) Limitation on availability of funds.—

Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for operations and maintenance for the Office of the Assistant Secretary of Defense for Public Affairs, not more than 85 percent may be obligated or expended until the date on which the Secretary of Defense submits to the congressional defense committees the report under paragraph (1).

(e) Posture review period defined.—In this section, the term “posture review period” means the period beginning on the date that is five years after the date
of the enactment of this Act and ending on the date that is 10 years after such date of enactment.

SEC. 1645. BRIEFING ON CYBER CAPABILITY AND READINESS SHORTFALLS.

(a) BRIEFING REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Army shall provide to the Committees on Armed Services of Senate and the House of Representatives a briefing on the ability of the Army Combat Training Centers to provide sufficient cyber training for deploying forces.

(b) ELEMENTS.—The briefing under subsection (a) shall include—

(1) an assessment of the pre-rotational training requirements for all deploying Army forces relating to the conduct of, and response to, cyber electromagnetic activities;

(2) an assessment of the training capabilities of the Army Combat Training Centers with respect to cyber electromagnetic activities; and

(3) recommendations for any improvements to training curricula, exercises, or infrastructure capabilities that may be needed to fill gaps in cyber training capabilities as such gaps are identified in the assessments under paragraphs (1) and (2).
(c) ADDITIONAL CONSIDERATIONS.—In preparing the briefing under subsection (a), the Secretary of the Army shall take into account the resources available within a 10-mile radius of the Army Combat Training Centers that could be used to address potential cyber capability and readiness shortfalls, including resources from other military departments, defense agencies, and field activities.

(d) CYBER ELECTROMAGNETIC ACTIVITIES DEFINED.—In this section, the term “cyber electromagnetic activities” has the meaning given the term in the Army Field Manual 3–38 titled “Cyber Electromagnetic Activities”.

SEC. 1646. BRIEFING ON CYBER APPLICATIONS OF BLOCKCHAIN TECHNOLOGY.

(a) BRIEFING REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the heads of such other departments and agencies of the Federal Government as the Secretary considers appropriate, shall provide to the appropriate committees of Congress a briefing on the cyber applications of blockchain technology.

(b) ELEMENTS.—The briefing under subsection (a) shall include—
(1) a description of potential offensive and defensive cyber applications of blockchain technology and other distributed database technologies;

(2) an assessment of efforts by foreign powers, extremist organizations, and criminal networks to utilize such technologies;

(3) an assessment of the use or planned use of such technologies by the Federal Government and critical infrastructure networks; and

(4) an assessment of the vulnerabilities of critical infrastructure networks to cyber attacks.

(c) FORM OF BRIEFING.—The briefing under subsection (a) shall be provided in unclassified form, but may include a classified supplement.

(d) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Armed Services, the Select Committee on Intelligence, the Committee on Banking, Housing, and Urban Affairs, and the Committee on Homeland Security and Governmental Affairs of the Senate; and

(2) the Committee on Armed Services, the Permanent Select Committee on Intelligence, the Com-
mittee on Financial Services, and the Committee on Homeland Security of the House of Representatives.

SEC. 1647. BRIEFING ON TRAINING INFRASTRUCTURE FOR CYBER MISSION FORCES.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall provide to the congressional defense committees a briefing on the Department of Defense training infrastructure for cyber mission forces. Such briefing shall include the following:

(1) A strategic plan for the growth and expansion of the training infrastructure for cyber mission forces across the Department of Defense commensurate with the projected growth of the cyber mission force.

(2) Identification of the shortcomings in such training infrastructure.

(3) A plan for the management and oversight of such training infrastructure, including management and oversight of the implementation of the strategic plan described in paragraph (1).

(4) Commercial applications that may potentially be used to address the needs identified in the strategic plan described in paragraph (1).
SEC. 1648. REPORT ON TERMINATION OF DUAL-HAT ARRANGEMENT FOR COMMANDER OF THE UNITED STATES CYBER COMMAND.

(a) REPORT.—Not later than May 1, 2018, the Secretary of Defense shall submit to the appropriate congressional committees a report on the progress of the Department of Defense in meeting the requirements of section 1642 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2601).

(b) ELEMENTS.—The report under subsection (a) shall include, with respect to any decision to terminate the dual-hat arrangement as described in section 1642 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2601), the following:

(1) Metrics and milestones for meeting the conditions described in subsection (b)(2)(C) of such section 1642.

(2) Identification of any challenges to meeting such conditions.

(3) Using data and support from the Director of Cost Assessment and Program Evaluation, in consultation with the Commander of the United States Cyber Command and the Director of the National Security Agency, identification of the costs that may be incurred in the effort to meet such conditions.
Identification of entities or persons requiring additional resources as a result of any decision to terminate the dual-hat arrangement.

Identification of any updates to statutory authorities needed as a result of any decision to terminate the dual-hat arrangement.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees;

(2) the Select Committee on Intelligence of the Senate; and

(3) the Permanent Select Committee on Intelligence of the House of Representatives.

PART II—CYBERSECURITY EDUCATION

SEC. 1649. CYBER SCHOLARSHIP PROGRAM.

(a) NAME OF PROGRAM.—Section 2200 of title 10, United States Code, is amended by adding at the end the following:

“(c) NAME OF PROGRAM.—The programs authorized under this chapter shall be known as the ‘Cyber Scholarship Program’.”.

(b) MODIFICATION TO ALLOCATION OF FUNDING FOR CYBER SCHOLARSHIP PROGRAM.—Section 2200a(f) of title 10, United States Code, is amended—
(1) by inserting ``(1)'' before ``Not less''; and

(2) by adding at the end the following new paragraph:

``(2) Not less than five percent of the amount available for financial assistance under this section for a fiscal year shall be available for providing financial assistance for the pursuit of an associate degree at an institution described in paragraph (1).''.

(e) CYBER DEFINITION.—Section 2200e of title 10, United States Code, is amended to read as follows:

``§ 2200e. Definitions

``In this chapter:

``(1) The term 'cyber' includes the following:

``(A) Offensive cyber operations.

``(B) Defensive cyber operations.

``(C) Department of Defense information network operations and defense.

``(D) Any other information technology that the Secretary of Defense considers to be related to the cyber activities of the Department of Defense.

``(2) The term 'institution of higher education' has the meaning given the term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001).''
“(3) The term ‘Center of Academic Excellence in Cyber Education’ means an institution of higher education that is designated by the Director of the National Security Agency as a Center of Academic Excellence in Cyber Education.”.

(d) CONFORMING AMENDMENTS.—

(1) Chapter 112 of title 10, United States Code, is further amended—

(A) in the chapter heading, by striking “INFORMATION SECURITY” and inserting “CYBER”;

(B) in section 2200 (as amended by subsection (a))—

(i) in subsection (a), by striking “Department of Defense information assurance requirements” and inserting “the cyber requirements of the Department of Defense”; and

(ii) in subsection (b)(1), by striking “information assurance” and inserting “cyber disciplines”;

(C) in section 2200a (as amended by subsection (b))—
(i) in subsection (a)(1), by striking “an information assurance discipline” and inserting “a cyber discipline”; 
(ii) in subsection (f)(1), by striking “information assurance” and inserting “cyber disciplines”; and 
(iii) in subsection (g)(1), by striking “an information technology position” and inserting “a cyber position”; 
(D) in section 2200b, by striking “information assurance disciplines” and inserting “cyber disciplines”; 
(E) in the heading of section 2200c, by striking “Information Assurance” and inserting “Cyber”; and 
(F) in section 2200c, by striking “Information Assurance” each place it appears and inserting “Cyber”. 
(2) The table of sections at the beginning of chapter 112 of title 10, United States Code, is amended by striking the item relating to section 2200c and inserting the following:
“2200c. Centers of Academic Excellence in Cyber Education.”.
(3) Section 7045 of title 10, United States Code, is amended—
(A) by striking “Information Security Scholarship program” each place it appears and inserting “Cyber Scholarship program”; and

(B) in subsection (a)(2)(B), by striking “information assurance” and inserting “a cyber discipline”.

(4) Section 7904(4) of title 38, United States Code, is amended by striking “Information Assurance” and inserting “Cyber”.

(e) REDESIGNATIONS.—

(1) SCHOLARSHIP PROGRAM.—The Information Security Scholarship program under chapter 112 of title 10, United States Code, is redesignated as the “Cyber Scholarship program”. Any reference in a law (other than this section), map, regulation, document, paper, or other record of the United States to the Information Security Scholarship program shall be deemed to be a reference to the Cyber Scholarship Program.

(2) CENTERS OF ACADEMIC EXCELLENCE.— Any institution of higher education designated by the Director of the National Security Agency as a Center of Academic Excellence in Information Assurance Education is redesignated as a Center of Academic Excellence in Cyber Education. Any re-
erence in a law (other than this section), map, regulation, document, paper, or other record of the
United States to a Center of Academic Excellence in Information Assurance Education shall be deemed to
be a reference to a Center of Academic Excellence in Cyber Education.

(f) Authorization of Appropriations.—There is authorized to be appropriated to the Secretary of Defense
to provide financial assistance under section 2200a of title 10, United States Code (as amended by this section), and
grants under section 2200b of such title (as so amended), $10,000,000 for fiscal year 2018.

SEC. 1649A. COMMUNITY COLLEGE CYBER PILOT PROGRAM AND ASSESSMENT.

(a) Pilot Program.—Not later than 1 year after the date of enactment of this subtitle, as part of the Federal Cyber Scholarship-for-Service program established under section 302 of the Cybersecurity Enhancement Act of 2014 (15 U.S.C. 7442), the Director of the National Science Foundation, in coordination with the Director of the Office of Personnel Management, shall develop and implement a pilot program at not more than 10, but at least 5, community colleges to provide scholarships to eligible students who—
(1) are pursuing associate degrees or specialized
program certifications in the field of cybersecurity;
and
(2)(A) have bachelor’s degrees; or
(B) are veterans of the Armed Forces.

(b) ASSESSMENT.—Not later than 1 year after the
date of enactment of this subtitle, as part of the Federal
Cyber Scholarship-for-Service program established under
section 302 of the Cybersecurity Enhancement Act of
2014 (15 U.S.C. 7442), the Director of the National
Science Foundation, in coordination with the Director of
the Office of Personnel Management, shall assess the po-
tential benefits and feasibility of providing scholarships
through community colleges to eligible students who are
pursuing associate degrees, but do not have bachelor’s de-
grees.

SEC. 1649B. FEDERAL CYBER SCHOLARSHIP-FOR-SERVICE
PROGRAM UPDATES.

(a) IN GENERAL.—Section 302 of the Cybersecurity
(1) in subsection (b)—
(A) in paragraph (2), by striking “and” at
the end; and
(B) by striking paragraph (3) and insert-
ing the following:
“(3) prioritize the employment placement of at least 80 percent of scholarship recipients in an executive agency (as defined in section 105 of title 5, United States Code); and

“(4) provide awards to improve cybersecurity education at the kindergarten through grade 12 level—

“(A) to increase interest in cybersecurity careers;

“(B) to help students practice correct and safe online behavior and understand the foundational principles of cybersecurity;

“(C) to improve teaching methods for delivering cybersecurity content for kindergarten through grade 12 computer science curricula; and

“(D) to promote teacher recruitment in the field of cybersecurity.”;

(2) by amending subsection (d) to read as follows:

“(d) POST-AWARD EMPLOYMENT OBLIGATIONS.—Each scholarship recipient, as a condition of receiving a scholarship under the program, shall enter into an agreement under which the recipient agrees to work for a period
equal to the length of the scholarship, following receipt of the student’s degree, in the cybersecurity mission of—

“(1) an executive agency (as defined in section 105 of title 5, United States Code);

“(2) Congress, including any agency, entity, office, or commission established in the legislative branch;

“(3) an interstate agency;

“(4) a State, local, or Tribal government; or

“(5) a State, local, or Tribal government-affiliated non-profit that is considered to be critical infrastructure (as defined in section 1016(e) of the USA Patriot Act (42 U.S.C. 5195c(e)).”;

(3) in subsection (f)—

(A) by amending paragraph (3) to read as follows:

“(3) have demonstrated a high level of competency in relevant knowledge, skills, and abilities, as defined by the national cybersecurity awareness and education program under section 401;”; and

(B) by amending paragraph (4) to read as follows:

“(4) be a full-time student in an eligible degree program at a qualified institution of higher education, as determined by the Director of the Na-
tional Science Foundation, except that in the case of a student who is enrolled in a community college, be a student pursuing a degree on a less than full-time basis, but not less than half-time basis; and”;

(4) by amending subsection (m) to read as follows:

“(m) PUBLIC INFORMATION.—

“(1) EVALUATION.—The Director of the National Science Foundation, in coordination with the Director of the Office of Personnel Management, shall periodically evaluate and make public, in a manner that protects the personally identifiable information of scholarship recipients, information on the success of recruiting individuals for scholarships under this section and on hiring and retaining those individuals in the public sector cyber workforce, including information on—

“(A) placement rates;

“(B) where students are placed, including job titles and descriptions;

“(C) salary ranges for students not released from obligations under this section;

“(D) how long after graduation students are placed;
“(E) how long students stay in the positions they enter upon graduation;

“(F) how many students are released from obligations; and

“(G) what, if any, remedial training is required.

“(2) REPORTS.—The Director of the National Science Foundation, in coordination with the Office of Personnel Management, shall submit, not less frequently than once every 3 years, to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives a report, including the results of the evaluation under paragraph (1) and any recent statistics regarding the size, composition, and educational requirements of the Federal cyber workforce.

“(3) RESOURCES.—The Director of the National Science Foundation, in coordination with the Director of the Office of Personnel Management, shall provide consolidated and user-friendly online resources for prospective scholarship recipients, including, to the extent practicable—

“(A) searchable, up-to-date, and accurate information about participating institutions of
higher education and job opportunities related
to the field of cybersecurity; and

“(B) a modernized description of cyberse-
curity careers.”.

(b) SAVINGS PROVISION.—Nothing in this section, or
an amendment made by this section, shall affect any
agreement, scholarship, loan, or repayment, under section
302 of the Cybersecurity Enhancement Act of 2014 (15
U.S.C. 7442), in effect on the day before the date of enact-
ment of this subtitle.

SEC. 1649C. CYBERSECURITY TEACHING.

Section 10(i) of the National Science Foundation Au-
thorization Act of 2002 (42 U.S.C. 1862n–1(i)) is amend-
ed—

(1) by amending paragraph (5) to read as fol-
lows:

“(5) the term ‘mathematics and science teacher’
means a science, technology, engineering, mathe-
matics, or computer science, including cybersecurity,
teacher at the elementary school or secondary school
level;”; and

(2) by amending paragraph (7) to read as fol-
lows:

“(7) the term ‘science, technology, engineering,
or mathematics professional’ means an individual
who holds a baccalaureate, master’s, or doctoral degree in science, technology, engineering, mathematics, or computer science, including cybersecurity, and is working in or had a career in such field or a related area; and”.

Subtitle D—Nuclear Forces

SEC. 1651. ANNUAL ASSESSMENT OF CYBER RESILIENCY OF NUCLEAR COMMAND AND CONTROL SYSTEM.

(a) IN GENERAL.—Chapter 24 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 499. Annual assessment of cyber resiliency of nuclear command and control system

“(a) IN GENERAL.—Not less frequently than annually, the Commander of the United States Strategic Command and the Commander of the United States Cyber Command (in this section referred to collectively as the ‘Commanders’) shall jointly conduct an assessment of the cyber resiliency of the nuclear command and control system.

“(b) ELEMENTS.—In conducting the assessment required by subsection (a), the Commanders shall—

“(1) conduct an assessment of the sufficiency and resiliency of the nuclear command and control system to operate through a cyber attack from the
Russian Federation, the People’s Republic of China, or any other country or entity the Commanders identify as a potential threat; and

“(2) develop recommendations for mitigating any concerns of the Commanders resulting from the assessment.

“(c) Report Required.—(1) The Commanders shall jointly submit to the Chairman of the Joint Chiefs of Staff, for submission to the Council on Oversight of the National Leadership Command, Control, and Communications System established under section 171a of this title, a report on the assessment required by subsection (a) that includes the following:

“(A) The recommendations developed under subsection (b)(2).

“(B) A statement of the degree of confidence of each of the Commanders in the mission assurance of the nuclear deterrent against a top tier cyber threat.

“(C) A detailed description of the approach used to conduct the assessment required by subsection (a) and the technical basis of conclusions reached in conducting that assessment.

“(D) Any other comments of the Commanders.
“(2) The Council shall submit to the Secretary of Defense the report required by paragraph (1) and any comments of the Council on the report.

“(3) The Secretary of Defense shall submit to the congressional defense committees the report required by paragraph (1), any comments of the Council on the report under paragraph (2), and any comments of the Secretary on the report.

“(d) Quarterly Briefings.—Not less than once every quarter, the Deputy Secretary of Defense and the Vice Chairman of the Joint Chiefs of Staff shall jointly provide to the Committees on Armed Services of the House of Representatives and the Senate a briefing on any known or suspected critical intelligence parameter breaches that were identified during the previous quarter, including an assessment of any known or suspected impacts of such breaches to the mission effectiveness of military capabilities as of the date of the briefing or thereafter.

“(e) Termination.—The requirements of this section shall terminate on December 31, 2027.”.

(b) Clerical Amendment.—The table of sections for chapter 24 of such title is amended by inserting after the item relating to section 498 the following new item:

“499. Annual assessment of cyber resiliency of nuclear command and control system.”.
SEC. 1652. COLLECTION, STORAGE, AND SHARING OF DATA RELATING TO NUCLEAR SECURITY ENTERPRISE.

(a) In General.—Chapter 24 of title 10, United States Code, as amended by section 1651, is further amended by adding at the end the following new section:

“§ 499a. Collection, storage, and sharing of data relating to nuclear security enterprise and nuclear forces

“(a) In General.—The Secretary of Defense, acting through the Director of Cost Assessment and Program Evaluation, and the Administrator for Nuclear Security, acting through the Director for Cost Estimating and Program Evaluation, shall collect and store cost, programmatic, and technical data relating to programs and projects of the nuclear security enterprise and nuclear forces.

“(b) Sharing of Data.—If the Director of Cost Assessment and Program Evaluation or the Director for Cost Estimating and Program Evaluation requests data relating to programs or projects from any element of the Department of Defense or from any element of the nuclear security enterprise of the National Nuclear Security Administration, that element shall provide that data in a timely manner.
“(c) Storage of Data.—(1) Data collected by the Director of Cost Assessment and Program Evaluation and the Director for Cost Estimating and Program Evaluation under this section shall be—

“(A) stored in the data storage system of the Defense Cost and Resource Center, or successor center, or in a data storage system of the National Nuclear Security Administration that is comparable to the data storage system of the Defense Cost and Resource Center; and

“(B) made accessible to other Federal agencies as such Directors consider appropriate.

“(2) The Secretary and the Administrator shall ensure that the Director of Cost Assessment and Program Evaluation and the Director for Cost Estimating and Program Evaluation have sufficient information system support, as determined by such Directors, to facilitate the timely hosting, handling, and sharing of data relating to programs and projects of the nuclear security enterprise under this section at the appropriate level of classification.

“(3) The Deputy Administrator for Naval Reactors of the National Nuclear Security Administration may coordinate with the Director of Cost Assessment and Program Evaluation and the Director for Cost Estimating and Program Evaluation to ensure that, at the discretion
of the Deputy Administrator, data relating to programs and projects of the Office of Naval Reactors are correctly represented in the data storage system pursuant to paragraph (1)(A).

“(d) CONTRACT REQUIREMENTS.—The Secretary and the Administrator shall ensure that any relevant contract relating to a program or project of the nuclear security enterprise and nuclear forces that is entered into on or after the date of the enactment of this section appropriately includes—

“(1) requirements and standards for data collection; and

“(2) requirements for reporting on cost, programmatic, and technical data using procedures, standards, and formats approved by the Director of Cost Assessment and Program Evaluation and the Director for Cost Estimating and Program Evaluation.

“(e) NUCLEAR SECURITY ENTERPRISE DEFINED.—In this section, the term ‘nuclear security enterprise’ has the meaning given that term in section 4002 of the Atomic Energy Defense Act (50 U.S.C. 2501).”.

(b) CLERICAL AMENDMENT.—The table of sections for chapter 24 of such title is amended by inserting after
the item relating to section 499, as added by section 1651,

the following new item:

“499a. Collection, storage, and sharing of data relating to nuclear security enterprise and nuclear forces.”.

SEC. 1653. NOTIFICATIONS REGARDING DUAL-CAPABLE F–35A AIRCRAFT.

Section 179(f) of title 10, United States Code, is amended—

(1) by redesignating paragraph (6) as paragraph (7); and

(2) by inserting after paragraph (5) the following new paragraph (6):

“(6) If a House of Congress adopts a bill authorizing or appropriating funds for the Department of Defense that, as determined by the Council, provides funds in an amount that will result in a delay in the nuclear certification or delivery of F–35A dual-capable aircraft, the Council shall notify the congressional defense committees of the determination.”.

SEC. 1654. OVERSIGHT OF DELAYED ACQUISITION PROGRAMS BY COUNCIL ON OVERSIGHT OF THE NATIONAL LEADERSHIP COMMAND, CONTROL, AND COMMUNICATIONS SYSTEM.

(a) Status Updates.—

(1) In general.—Section 171a of title 10, United States Code, is amended—
(A) by redesignating subsection (k) as subsection (l); and

(B) by inserting after subsection (j) the following new subsection (k):

“(k) STATUS OF ACQUISITION PROGRAMS.—(1) On a quarterly basis, each program manager of a covered acquisition program shall transmit to the co-chairs of the Council, acting through the senior steering group of the Council, a report that identifies—

“(A) the covered acquisition program;

“(B) the requirements of the program;

“(C) the development timeline of the program; and

“(D) the status of the program, including whether the program is delayed and, if so, whether such delay will result in a program schedule delay.

“(2) Not later than seven days after the end of each semianual period, the co-chairs of the Council shall submit to the congressional defense committees a report that identifies, with respect to the reports transmitted to the Council under paragraph (1) for the two quarters in such period—

“(A) each covered acquisition program that is delayed more than 180 days; and
“(B) any covered acquisition program that should have been included in such reports but was excluded, and the reasons for such exclusion.

“(3) In this subsection, the term ‘covered acquisition program’ means each acquisition program of the Department of Defense that materially contributes to—

“(A) the nuclear command, control, and communications systems of the United States; or

“(B) the continuity of government systems of the United States.”.

(2) INSTRUCTIONS.—The Secretary of Defense shall issue a Department of Defense Instruction, or revise such an Instruction, to ensure that program managers carry out subsection (k)(1) of section 171a of title 10, United States Code, as added by paragraph (1).

(b) EXECUTION AND PROGRAMMATIC OVERSIGHT.—

(1) DATABASE.—Not later than one year after the date of the enactment of this Act, the Chief Information Officer of the Department of Defense, as Executive Secretary of the Council on Oversight of the National Leadership Command, Control, and Communications System established under section 171a of title 10, United States Code (or a successor to the Chief Information Officer assigned responsi-
bility for policy, oversight, guidance, and coordina-
tion for nuclear command and control systems),
shall, in coordination with the Under Secretary of
Defense for Acquisition and Sustainment, develop a
database relating to the execution of all nuclear
command, control, and communications acquisition
programs of the Department of Defense with an ap-
proved Materiel Development Decision. The database
shall be updated not less frequently than annually
and upon completion of a major program element of
such a program.

(2) DATABASE ELEMENTS.—The database re-
quired by paragraph (1) shall include, at a min-
imum, the following elements for each program de-
described in that paragraph, consistent with Depart-
ment of Defense Instruction 5000.02:

(A) Projected dates for Milestones A, B, and C, including cost thresholds and objectives for major elements of life cycle cost.

(B) Projected dates for program design re-
views and critical design reviews.

(C) Projected dates for developmental and operation tests.

(D) Projected dates for initial operational capability and final operational capability.
(E) An acquisition program baseline.

(F) Program acquisition unit cost and average procurement unit cost.

(G) Contract type.

(H) Key performance parameters.

(I) Key system attributes.

(J) A risk register.

(K) Technology readiness levels.

(L) Manufacturing readiness levels.

(M) Integration readiness levels.

(N) Any other critical elements that affect the stability of the program.

(3) BRIEFINGS.—The co-chairs of the Council on Oversight of the National Leadership Command, Control, and Communications System shall brief the congressional defense committees on the status of the database required by paragraph (1)—

(A) not later than 180 days after the date of the enactment of this Act; and

(B) upon completion of the database.

SEC. 1655. ESTABLISHMENT OF NUCLEAR COMMAND AND CONTROL INTELLIGENCE FUSION CENTER.

(a) ESTABLISHMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense and the Director of National Intelligence shall
jointly establish an intelligence fusion center to effectively integrate and unify the protection of nuclear command, control, and communications programs, systems, and processes and continuity of government programs, systems, and processes.

(b) CHARTER.—In establishing the fusion center under subsection (a), the Secretary and the Director shall develop a charter for the fusion center that includes the following:

(1) To carry out the duties of the fusion center, a description of—

(A) the roles and responsibilities of officials and elements of the Federal Government, including a detailed description of the organizational relationships of such officials and the elements of the Federal Government that are key stakeholders;

(B) the organization reporting chain of the fusion center;

(C) the staffing of the fusion center;

(D) the processes of the fusion center; and

(E) how the fusion center integrates with other elements of the Federal Government.
(2) The management and administration processes required to carry out the fusion center, including with respect to facilities and security authorities.

(3) Procedures to ensure that the appropriate number of staff of the fusion center have the security clearance necessary to access information on the programs, systems, and processes that relate, either wholly or substantially, to nuclear command, control, and communications or continuity of government, including with respect to both the programs, systems, and processes that are designated as special access programs (as described in section 4.3 of Executive Order 13526 (50 U.S.C. 3161 note) or any successor Executive order) and the programs, systems, and processes that contain sensitive compartmented information.

(c) COORDINATION.—In establishing the fusion center under subsection (a), the Secretary and the Director shall coordinate with the elements of the Federal Government that the Secretary and Director determine appropriate.

(d) REPORTS.—

(1) INITIAL REPORT.—Not later than 120 days after the date of the enactment of this Act, the Secretary and the Director shall jointly submit to the
appropriate congressional committees a report containing—

   (A) the charter for the fusion center developed under subsection (b); and

   (B) a plan on the budget and staffing of the fusion center.

   (2) ANNUAL REPORTS.—At the same time as the President submits to Congress the annual budget request under section 1105 of title 31, United States Code, for fiscal year 2019 and each fiscal year thereafter, the Secretary and the Director shall submit to the appropriate congressional committees a report on the fusion center, including, with respect to the period covered by the report—

   (A) any updates to the plan on the budget and staffing of the fusion center;

   (B) any updates to the charter developed under subsection (b); and

   (C) a summary of the activities and accomplishments of the fusion center.

   (3) SUNSET.—No report is required under this subsection after December 31, 2021.

   (e) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—
(1) the congressional defense committees; and

(2) the Permanent Select Committee on Intel-
ligence of the House of Representatives and the Se-
lect Committee on Intelligence of the Senate.

SEC. 1656. SECURITY OF NUCLEAR COMMAND, CONTROL,
AND COMMUNICATIONS SYSTEM FROM COM-
MERCIAL DEPENDENCIES.

(a) Certification.—Not later than 180 days after
the date of the enactment of this Act, the Secretary of
Defense shall certify to the congressional defense commit-
tees whether the Secretary uses covered telecommuni-
cations equipment or services as a substantial or essential
component of any system, or as critical technology as part
of any system, to carry out—

(1) the nuclear deterrence mission of the De-
partment of Defense, including with respect to nu-
clear command, control, and communications, inte-
grated tactical warning and attack assessment, and
continuity of government; or

(2) the homeland defense mission of the De-
partment, including with respect to ballistic missile
defense.

(b) Prohibition and Mitigation.—

(1) Prohibition.—Except as provided by
paragraph (2), beginning on the date that is one
year after the date of the enactment of this Act, the Secretary of Defense may not procure or obtain, or extend or renew a contract to procure or obtain, any equipment, system, or service to carry out the missions described in paragraphs (1) and (2) of subsection (a) that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

(2) WAIVER.—The Secretary may waive the prohibition in paragraph (1) on a case-by-case basis for a single one-year period if the Secretary—

(A) determines such waiver to be in the national security interests of the United States; and

(B) certifies to the congressional committees that—

(i) there are sufficient mitigations in place to guarantee the ability of the Secretary to carry out the missions described in paragraphs (1) and (2) of subsection (a); and

(ii) the Secretary is removing the use of covered telecommunications equipment or services in carrying out such missions.
(3) DELEGATION.—The Secretary may not del-
egate the authority to make a waiver under para-
graph (2) to any official other than the Deputy Sec-
retary of Defense or the co-chairs of the Council on
Oversight of the National Leadership Command,
Control, and Communications System established by
section 171a of title 10, United States Code.

(c) DEFINITIONS.—In this section:

(1) The term “congressional defense commit-
tees” has the meaning given that term in section
101(a)(16) of title 10, United States Code.

(2) The term “covered foreign country” means
any of the following:

(A) The People’s Republic of China.

(B) The Russian Federation.

(3) The term “covered telecommunications
equipment or services” means any of the following:

(A) Telecommunications equipment pro-
duced by Huawei Technologies Company or
ZTE Corporation (or any subsidiary or affiliate
of such entities).

(B) Telecommunications services provided
by such entities or using such equipment.

(C) Telecommunications equipment or
services produced or provided by an entity that
the Secretary of Defense reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

SEC. 1657. OVERSIGHT OF AERIAL-LAYER PROGRAMS BY COUNCIL ON OVERSIGHT OF THE NATIONAL LEADERSHIP COMMAND, CONTROL, AND COMMUNICATIONS SYSTEM.

Any analysis of alternatives for the Senior Leader Airborne Operations Center, the executive airlift program of the Air Force, and the E–6B modernization program may not receive final approval by the Joint Requirements Oversight Council, and the Director of Cost Assessment and Program Evaluation may not conduct any sufficiency review of such an analysis of alternatives, unless—

(1) the Council on Oversight of the National Leadership Command, Control, and Communications System established by section 171a of title 10, United States Code, determines that the alternatives for such programs are capable of meeting the requirements for senior leadership communications in support of the nuclear command, control, and communications mission of the Department of Defense and the continuity of government mission of the Department;
(2) the Council submits to the congressional defense committees such determination; and

(3) a period of 30 days elapses following the date of such submission.

SEC. 1658. SECURITY CLASSIFICATION GUIDE FOR PROGRAMS RELATING TO NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS AND NUCLEAR DETERRENCE.

(a) Requirement for Security Classification Guide.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall require the issuance of a security classification guide for each covered program to ensure the protection of sensitive information from public disclosure.

(b) Requirements.—Each security classification guide issued pursuant to subsection (a) shall be—

(1) approved by—

(A) the Council on Oversight of the National Leadership Command, Control, and Communications System with respect to covered programs under paragraph (1) or (2) of subsection (c); or

(B) the Nuclear Weapons Council with respect to covered programs under paragraph (3) of such subsection; and
(2) issued not later than March 19, 2019, with respect to a covered program in existence as of such date.

(c) Annual Notifications.—On an annual basis during the three-year period beginning on the date of the enactment of this Act, the Deputy Secretary of Defense, without delegation, shall notify the congressional defense committees of the status of implementing subsection (a), including a description of any challenges to such implementation.

(d) Exclusion.—This section shall not apply with respect to restricted data covered by chapter 12 of the Atomic Energy Act of 1954 (42 U.S.C. 2161 et seq.).

(e) Covered Program Defined.—In this section, the term “covered program” means programs of the Department of Defense in existence on or after the date of the enactment of this Act relating to any of the following:

(1) Continuity of government.

(2) Nuclear command, control, and communications.

(3) Nuclear deterrence.
SEC. 1659. EVALUATION AND ENHANCED SECURITY OF SUPPLY CHAIN FOR NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS AND CONTINUITY OF GOVERNMENT PROGRAMS.
(a) Evaluations of Supply Chain Vulnerabilities.—
   (1) In general.—Not later than December 31, 2019, and in accordance with the plan under paragraph (2)(A), the Secretary of Defense shall conduct evaluations of the supply chain vulnerabilities of each covered program.
   (2) Plan.—
      (A) Development.—The Secretary shall develop a plan to carry out the evaluations under paragraph (1), including with respect to the personnel and resources required to carry out such evaluations.
      (B) Submission.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees the plan under subparagraph (A).
   (3) Waiver.—The Secretary may waive, on a case-by-case basis with respect to a weapons system, a program, or a system of systems, of a covered program, either the requirement to conduct an evaluato...
tion under paragraph (1) or the deadline specified in such paragraph if the Secretary certifies to the congressional defense committees before such date that all known supply chain vulnerabilities of such weapons system, program, or system of systems have minimal consequences for the capability of such weapons system, program, or system of systems to meet operational requirements or otherwise satisfy mission requirements.

(4) Risk Mitigation Strategies.—In carrying out an evaluation under paragraph (1) with respect to a covered program specified in subparagraph (B) or (C) of subsection (c)(2), the Secretary shall develop strategies for mitigating the risks of supply chain vulnerabilities identified in the course of such evaluation.

(b) Prioritization of Certain Supply Chain Risk Management Efforts.—

(1) Instructions.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall issue a Department of Defense Instruction, or update such an Instruction, establishing the prioritization of supply chain risk management programs, including supply chain risk management threat assessment reporting, to ensure that acquisi-
tion and sustainment programs relating to covered programs receive the highest priority of such supply chain risk management programs and reporting.

(2) REQUIREMENTS.—

(A) ESTABLISHMENT.—The Secretary shall establish requirements to carry out supply chain risk management threat assessment collections and analyses under acquisition and sustainment programs relating to covered programs.

(B) SUBMISSION.—Not later than 120 days after the date of the enactment of this Act, the Secretary shall submit to the appropriate congressional committees the requirements established under subparagraph (A).

(e) DEFINITIONS.—In this section:

(1) The term “appropriate congressional committees” means—

(A) the congressional defense committees;

and

(B) the Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.
(2) The term “covered programs” means programs relating to any of the following:

(A) Nuclear weapons.

(B) Nuclear command, control, and communications.

(C) Continuity of government.

(D) Ballistic missile defense.

SEC. 1660. PROCUREMENT AUTHORITY FOR CERTAIN PARTS OF INTERCONTINENTAL BALLISTIC MISSILE FUZES.

(a) Availability of Funds.—Notwithstanding section 1502(a) of title 31, United States Code, of the amount authorized to be appropriated for fiscal year 2018 by section 101 and available for Missile Procurement, Air Force, as specified in the funding table in division D, $6,334,000 shall be available for the procurement of covered parts pursuant to contracts entered into under section 1645(a) of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3651).

(b) Covered Parts Defined.—In this section, the term “covered parts” means commercially available off-the-shelf items as defined in section 104 of title 41, United States Code.
SEC. 1661. PRESIDENTIAL NATIONAL VOICE CONFERENCING SYSTEM AND PHOENIX AIR-TO-GROUND COMMUNICATIONS NETWORK.

(a) CONSOLIDATION OF ELEMENTS.—

(1) PNVCS.—Not later than one year after the date of the enactment of this Act, all program elements and funding for the Presidential National Voice Conferencing System shall be transferred to the Program Executive Office with responsibility for the Family of Advanced Beyond Line-of-Sight Terminals program. The Program Executive Office shall be responsible for approving all such program elements, requests for funding, and contract actions (including regarding contract line items) relating to the Presidential National Voice Conferencing System.

(2) PAGCN.—Not later than one year after the date of the enactment of this Act, all program elements and funding for the Phoenix Air-to-Ground Communications Network shall be transferred to the Program Executive Office with responsibility for the nuclear command, control, and communications systems of the United States. The Program Executive Office shall be responsible for approving all such program elements, requests for funding, and contract actions (including regarding contract line items) relating to the Phoenix Air-to-Ground Communications Network.
items) relating to the Phoenix Air-to-Ground Communications Network.

(b) Selected Acquisition Reports.—Commencing not later than one year after the date of the enactment of this Act, the Presidential National Voice Conferencing System and the Phoenix Air-to-Ground Communications Network shall each be deemed to be a program for which a Selected Acquisition Report is required pursuant to section 2432 of title 10, United States Code.

SEC. 1662. LIMITATION ON PURSUIT OF CERTAIN COMMAND AND CONTROL CONCEPT.

(a) Limitation on Command and Control Concept.—The Secretary of the Air Force may not award a contract for engineering and manufacturing development for the ground-based strategic deterrent program that would result in a command and control concept for such program that consists of less than 15 fixed launch control centers per missile wing unless the Commander of the United States Strategic Command—

(1) determines that—

(A) the plans of the Secretary of the Air Force for a command and control concept consisting of less than 15 fixed launch control centers per missile wing are appropriate, meet requirements, and do not contain excessive risk;
(B) the risks to schedules and costs from
such concept are minimized and manageable;
(C) the strategy and plan of the Secretary
of the Air Force for addressing cyber threats
for such concept are robust; and
(D) with respect to such concept, the Sec-
retary of the Air Force has established an ap-
propriate process for considering and managing
trade-offs among requirements relating to sur-
vivability, long-term operations and sustainment
costs, procurement costs, and military personnel
needs; and
(2) submits, in writing, to the Secretary of De-
fense and the congressional defense committees such
determination.
(b) INABILITY TO MAKE DETERMINATION.—If the
Secretary of the Air Force proposes to award a contract
specified in subsection (a) and the Commander is unable
to make the determination under such subsection, the
Commander shall submit, in writing, to the Secretary of
Defense and the congressional defense committees the rea-
sons for not making such determination.
(e) NO EFFECT ON COMPETITION.—Nothing in sub-
section (a) or (b) shall be construed to affect or prohibit
the ability of the Secretary of the Air Force to use fair
and open competition procedures in soliciting, evaluating, and awarding contracts for the ground-based strategic deterrent program.

SEC. 1663. PROHIBITION ON AVAILABILITY OF FUNDS FOR MOBILE VARIANT OF GROUND-BASED STRATEGIC DETERRENT MISSILE.

Section 1664 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2615) is amended by striking “or 2018” and inserting “through 2019”.

SEC. 1664. PROHIBITION ON REDUCTION OF THE INTERCONTINENTAL BALLISTIC MISSILES OF THE UNITED STATES.

(a) PROHIBITION.—Except as provided by subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for the Department of Defense shall be obligated or expended for—

(1) reducing, or preparing to reduce, the responsiveness or alert level of the intercontinental ballistic missiles of the United States; or

(2) reducing, or preparing to reduce, the quantity of deployed intercontinental ballistic missiles of the United States to a number less than 400.
(b) EXCEPTION.—The prohibition in subsection (a) shall not apply to any of the following activities:

(1) The maintenance or sustainment of intercontinental ballistic missiles.

(2) Ensuring the safety, security, or reliability of intercontinental ballistic missiles.

(3) Reduction in the number of deployed intercontinental ballistic missiles that are carried out in compliance with—

(A) the limitations of the New START Treaty (as defined in section 494(a)(2)(D) of title 10, United States Code); and


SEC. 1665. MODIFICATION TO ANNUAL REPORT ON PLAN FOR THE NUCLEAR WEAPONS STOCKPILE, NUCLEAR WEAPONS COMPLEX, NUCLEAR WEAPONS DELIVERY SYSTEMS, AND NUCLEAR WEAPONS COMMAND AND CONTROL SYSTEM.

Subsection (a)(2)(F) of section 1043 of the National Defense Authorization Act for Fiscal Year 2012 (Public
Law 112–81; 125 Stat. 1576), as most recently amended by section 1643 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3650), is further amended by inserting after the period at the end the following: “The Secretary may include information and data for a period beyond such 10-year period if the Secretary determines that such information and data is accurate and useful in understanding the long-term nuclear modernization plan.”.

SEC. 1666. ESTABLISHMENT OF PROCEDURES FOR IMPLEMENTATION OF NUCLEAR ENTERPRISE REVIEW.

(a) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall issue a final Department of Defense Instruction establishing procedures for the long-term implementation of the recommendations contained in the Independent Review of the Department of Defense Nuclear Enterprise, dated June 2, 2014, and the Internal Assessment of the Department of Defense Nuclear Enterprise, dated September 2014.

(b) SUBMISSION.—The Secretary shall submit to the congressional defense committees the final instruction
under subsection (a) by not later than 30 days after
issuing the instruction.

SEC. 1667. REPORT ON IMPACTS OF NUCLEAR PROLIFERATION.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) nuclear proliferation continues to be a serious threat to the security of the United States;

(2) it is critical for the United States to understand the impacts of nuclear proliferation and ensure the necessary policies and resources are in place to prevent the proliferation of nuclear materials and weapons;

(3) effectively addressing the danger of states and non-state actors acquiring nuclear weapons or nuclear-weapons-usable material should be a clear priority for United States national security; and

(4) Secretary of Defense James Mattis testified before Congress on June 12, 2017, that “nuclear nonproliferation has not received enough attention over quite a few years”.

(b) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report containing—
(1) a description of the impacts of nuclear proliferation on the security of the United States;

(2) a description of how the Department of Defense is contributing to the current strategy to respond to the threat of nuclear proliferation, and what resources are being applied to this effort, including whether there are any funding gaps; and

(3) if and how nuclear proliferation is being addressed in the Nuclear Posture Review and other pertinent strategy reviews.

SEC. 1668. CERTIFICATION THAT THE NUCLEAR POSTURE REVIEW ADDRESSES DETERRENT EFFECT AND OPERATION OF UNITED STATES NUCLEAR FORCES IN CURRENT AND FUTURE SECURITY ENVIRONMENTS.

(a) Certification Required.—Not later than 30 days after completing the first Nuclear Posture Review after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a certification that the Nuclear Posture Review accounts for—

(1) with respect to the nuclear capabilities of the United States as of such date of enactment—

(A) the ability of such capabilities to deter adversaries of the United States that possess
nuclear weapons or may possess such weapons in the future;

(B) the ability of the United States to operate in a major regional conflict that involves nuclear weapons;

(C) the ability and preparedness of forward-deployed members of the Armed Forces to operate in a nuclear environment; and

(D) weapons, equipment, and training or conduct that would improve the abilities described in subparagraphs (A), (B), and (C);

(2) with respect to the nuclear capabilities of the United States projected over the 10-year period beginning on such date of enactment—

(A) the projected ability of such capabilities to deter adversaries of the United States that possess nuclear weapons or may possess such weapons in the future;

(B) the projected ability of the United States to operate in a major regional conflict that involves nuclear weapons;

(C) the projected ability and preparedness of forward-deployed members of the Armed Forces to operate in a nuclear environment; and
(D) weapons, equipment, and training or conduct that would improve the abilities described in subparagraphs (A), (B), and (C); and
(3) any actions that could be taken by the Secretary of Defense or the Administrator for Nuclear Security in the near and medium terms to decrease the risk posed by possible additional changes to the security environment related to nuclear weapons in the future.

(b) FORM.—The certification under subsection (a) may be submitted in classified form.

SEC. 1669. PLAN TO MANAGE INTEGRATED TACTICAL WARNING AND ATTACK ASSESSMENT SYSTEM AND MULTI-DOMAIN SENSORS.

(a) PLAN REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of the Air Force shall develop a plan to manage the Air Force missile warning elements of the Integrated Tactical Warning and Attack Assessment System as a weapon system consistent with Air Force Policy Directive 10–9, entitled “Lead Command Designation and Responsibilities for Weapon Systems” and dated March 8, 2007.

(b) MULTI-DOMAIN SENSOR MANAGEMENT AND EXPLOITATION.—
(1) IN GENERAL.—The plan required by subsection (a) shall include a long-term plan to manage all available sensors for multi-domain exploitation against modern and emergent threats in order to provide comprehensive support for integrated tactical warning and attack assessment, missile defense, and space situational awareness.

(2) COORDINATION WITH OTHER AGENCIES.—
In developing the plan required by paragraph (1), the Secretary shall—

(A) coordinate with the Secretary of the Army, the Secretary of the Navy, the Director of the Missile Defense Agency, and the Director of the National Reconnaissance Office; and

(B) solicit comments on the plan, if any, from the Commander of the United States Strategic Command and the Commander of the United States Northern Command.

(c) SUBMISSION TO CONGRESS.—Not later than 14 months after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees—

(1) the plan required by subsection (a); and

(2) the comments from the Commander of the United States Strategic Command and the Com-
Sec. 1670. Certification Requirement With Respect to Strategic Radiation Hardened Trusted Microelectronics.

Not later than December 31, 2020, the Secretary of Defense shall submit to the congressional defense committees a certification that an assured capability to produce or acquire strategic radiation hardened trusted microelectronics, consistent with Department of Defense Instruction 5200.44, is operational and available to supply necessary microelectronic components for necessary radiation environments involved with the acquisition of delivery systems for nuclear weapons.

Sec. 1671. Nuclear Posture Review.

(a) Sense of Congress.—It is the sense of Congress that the Nuclear Posture Review should—

(1) take into account the obligations of the United States under treaties ratified by and with the advice and consent of the Senate;

(2) examine the tools required to sustain the stockpile stewardship program under section 4201 of the Atomic Energy Defense Act (50 U.S.C. 2521) in the future to ensure the safety, security, and effec-
tiveness of the nuclear arsenal of the United States;
and
(3) consider input and views from all relevant
stakeholders in the United States Government, in-
cluding the Secretary of Energy, the Secretary of
State, and the Administrator for Nuclear Security,
on issues pertaining to nuclear deterrence, nuclear
nonproliferation, and nuclear arms control.
(b) AVAILABILITY.—The Secretary of Defense shall
ensure that—
(1) the Nuclear Posture Review is submitted, in
its entirety, to the President and the congressional
defense committees; and
(2) an unclassified version of the Nuclear Pos-
ture Review is made available to the public.
SEC. 1672. SENSE OF CONGRESS ON IMPORTANCE OF INDE-
PENDENT NUCLEAR DETERRENT OF UNITED
KINGDOM.
It is the sense of Congress that—
(1) nuclear deterrence is foundational to the de-
fense and security of the United States and the se-
curity of the United States is enhanced by a nuclear-
armed ally with common values and security prior-
ities;
(2) the United States sees the nuclear deterrent of the United Kingdom as central to transatlantic security and welcomes the commitment of the United Kingdom to the North Atlantic Treaty Organization (NATO) to continue to spend two percent of gross domestic product on defense;

(3) in the face of increasing threats, the presence of credible nuclear deterrent forces of the United Kingdom is essential to international stability and for NATO;

(4) the commitment of the United Kingdom to sustaining an independent nuclear deterrent, deployed continuously at sea, provides a vital second decision-making point within the deterrent capability of NATO, creating essential uncertainty in the mind of any potential adversary;

(5) the United States Navy must continue to execute the Columbia-class submarine program on time and within budget to ensure that the sea-based leg of the nuclear triad of the United States is sustained and the program delivers a Common Missile Compartment, the Trident II (D5) Strategic Weapon System, and associated equipment and production capabilities, to support the successful develop-
ment and deployment of the Dreadnought submarines of the United Kingdom;

(6) the support that the United Kingdom provides to deployments of strategic ships and aircraft of the United States at specialized facilities enables a vital part of the deterrence posture of the United States as well as mutual deterrence of adversaries and assurance to the allies and partners of the United States; and

(7) the collaboration of the United Kingdom with the United States on the military use of atomic energy ensures a peer in the technology and science of nuclear weapons and provides independent expert peer review of the nuclear programs of the United States, ensuring resilience and cost effectiveness to the nuclear defense programs of both nations.

Subtitle E—Missile Defense Programs

SEC. 1676. ADMINISTRATION OF MISSILE DEFENSE AND DEFEAT PROGRAMS.

(a) MAJOR FORCE PROGRAM.—

(1) IN GENERAL.—Chapter 9 of title 10, United States Code, is amended by adding at the end the following new section:
§ 239a. Missile defense and defeat programs: major force program and budget assessment

(a) Establishment of Major Force Program.—The Secretary of Defense shall establish a unified major force program for missile defense and defeat programs pursuant to section 222(b) of this title to prioritize missile defense and defeat programs in accordance with the requirements of the Department of Defense and national security.

(b) Budget Assessment.—(1) The Secretary shall include with the defense budget materials for each of fiscal years 2019 through 2023 a report on the budget for missile defense and defeat programs of the Department of Defense.

(2) Each report on the budget for missile defense and defeat programs of the Department under paragraph (1) shall include the following:

(A) An overview of the budget, including—

(i) a comparison between that budget, the previous budget, the most recent and prior future-years defense program submitted to Congress under section 221 of this title (such comparison shall exclude the responsibility for research and development of the continuing improvement of such missile defense and defeat program), and the amounts appropriated for
such missile defense and defeat programs during the previous fiscal year; and

“(ii) the specific identification, as a budgetary line item, for the funding under such programs.

“(B) An assessment of the budget, including significant changes, priorities, challenges, and risks.

“(C) Any additional matters the Secretary determines appropriate.

“(3) Each report under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

“(c) DEFINITIONS.—In this section:

“(1) The term ‘budget’, with respect to a fiscal year, means the budget for that fiscal year that is submitted to Congress by the President under section 1105(a) of title 31.

“(2) The term ‘defense budget materials’, with respect to a fiscal year, means the materials submitted to Congress by the Secretary of Defense in support of the budget for that fiscal year.

“(3) The term ‘missile defense and defeat programs’ means active and passive ballistic missile defense programs, cruise missile defense programs for the homeland, and missile defeat programs.”.
(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 239 the following new item:

“239a. Missile defense and defeat programs: major force program and budget assessment.”.

(b) TRANSITION OF BALLISTIC MISSILE DEFENSE PROGRAMS TO MILITARY DEPARTMENTS.—

(1) REQUIREMENT.—Not later than the date on which the budget of the President for fiscal year 2021 is submitted under section 1105 of title 31, United States Code, the Secretary of Defense shall transfer the acquisition authority and the total obligational authority for each missile defense program described in paragraph (2) from the Missile Defense Agency to a military department.

(2) MISSILE DEFENSE PROGRAM DESCRIBED.—A missile defense program described in this paragraph is a missile defense program of the Missile Defense Agency that, as of the date specified in paragraph (1), has received Milestone C approval (as defined in section 2366 of title 10, United States Code).

(3) REPORT.—

(A) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the
Secretary of Defense shall submit to the congressional defense committees a report on the plans of the Department of Defense for the transition of missile defense programs from the Missile Defense Agency to the military departments pursuant to paragraph (1).

(B) Scope.—The report under subparagraph (A) shall cover the period covered by the future-years defense program that is submitted under section 221 of title 10, United States Code, in the year in which such report is submitted.

(C) Matters included.—The report under subparagraph (A) shall include the following:

(i) An identification of—

(I) the missile defense programs planned to be transitioned from the Missile Defense Agency to the military departments; and

(II) the missile defense programs, if any, not planned for transition to the military departments.

(ii) The schedule for transition of each missile defense program planned to be
transitioned to a military department, and
an explanation of such schedule.

(iii) A description of—

(I) the status of the plans of the
Missile Defense Agency and the mili-
tary departments for the transition of
missile defense programs from that
agency to the military departments;
and

(II) the status of any agreement
between the Missile Defense Agency
and one or more of the military de-
partments on the transition of any
such program from that agency to the
military departments, including any
agreement on the operational test cri-
teria that must be achieved before
such transition.

(iv) An identification of the element of
the Department of Defense (whether the
Missile Defense Agency, a military depart-
ment, or both) that will be responsible for
funding each missile defense program to be
transitioned to a military department, and
at what date.
(v) A description of the type of funds that will be used (whether funds for research, development, test, and evaluation, procurement, military construction, or operation and maintenance) for each missile defense program to be transitioned to a military department.

(vi) An explanation of the number of systems planned for procurement for each missile defense program to be transitioned to a military department, and the schedule for procurement of each such system.

(vii) A description of how the Missile Defense Agency will continue the responsibility for the research and development of improvements to missile defense programs.

(c) ROLE OF MISSILE DEFENSE AGENCY.—

(1) IN GENERAL.—Chapter 8 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 205. Missile Defense Agency

“(a) TERM OF DIRECTOR.—The Director of the Missile Defense Agency shall be appointed for a six-year term.
“(b) REPORTING.—The Missile Defense Agency shall be under the authority, direction, and control of the Under Secretary of Defense for Research and Engineering.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter II of such chapter is amended by adding at the end the following new item:

“205. Missile Defense Agency.”.

(3) APPLICATION.—

(A) TERMS.—Subsection (a) of section 205 of title 10, United States Code, as added by paragraph (1), shall apply the day following the date on which the present incumbent in the office of the Director of the Missile Defense Agency, as of the date of the enactment of this Act, ceases to serve as such.

(B) REPORTING.—Subsection (b) of such section 205 shall apply beginning on February 1, 2018. In carrying out such subsection, the Missile Defense Agency shall be under the authority, direction, and control of the Under Secretary of Defense for Research and Engineering in the same manner as the Missile Defense Agency was under the authority, direction, and control of the Under Secretary of Defense for Acquisition, Technology, and Logistics pursuant
to Department of Defense Directive 5134.09. Any reference in such Instruction to the Under Secretary of Defense for Acquisition, Technology, and Logistics shall be deemed to be a reference to the Under Secretary of Defense for Research and Engineering, including with respect to the Under Secretary serving as the chairman of the Missile Defense Executive Board.

**SEC. 1677. CONDITION FOR PROCEEDING BEYOND LOW-RATE INITIAL PRODUCTION.**

(a) INCLUSION OF BALLISTIC MISSILE DEFENSE SYSTEM.—Section 2399(a)(1) of title 10, United States Code, is amended—

(1) by striking “or a covered designated major subprogram” and inserting “, a covered designated major subprogram, or an element of the ballistic missile defense system”; and

(2) by striking “program or subprogram” and inserting “program, subprogram, or element”.

(b) RULE OF CONSTRUCTION.—Section 1662(e) of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 10 U.S.C. 2431 note) is amended by inserting before the period at the end the following: “, or to
diminish the authority of the Secretary of Defense to deploy a missile defense system at the date on which the Secretary determines appropriate”.

SEC. 1678. PRESERVATION OF THE BALLISTIC MISSILE DEFENSE CAPACITY OF THE ARMY.

(a) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 or any fiscal year thereafter for the Army may be obligated or expended to demilitarize any GEM–T interceptor or remove any such interceptor from the operational inventory of the Army until the date on which the Secretary of the Army submits to the congressional defense committees the plan under subsection (b).

(b) PLAN.—Not later than 120 days after the date of the enactment of this Act, the Secretary and the Chief of Staff of the Army shall jointly submit to the congressional defense committees a plan to maintain an inventory of interceptors necessary to retain the capability provided by GEM–T interceptors, including the costs, milestones, and timelines to carry out such plan.

(c) EXCEPTION.—The limitation in subsection (a) shall not apply to activities that the Secretary determines are critical to the safety of GEM–T interceptors.
(d) GEM–T INTERCEPTOR DEFINED.—In this section, the term “GEM–T interceptor” means the Patriot guidance enhanced missile TBM.

SEC. 1679. MODERNIZATION OF ARMY LOWER TIER AIR AND MISSILE DEFENSE SENSOR.

(a) APPROVAL OF ACQUISITION STRATEGY.—

(1) IN GENERAL.—Not later than September 15, 2018, the Secretary of the Army shall issue an acquisition strategy for a 360-degree lower tier air and missile defense sensor that achieves initial operating capability by not later than December 31, 2023.

(2) REQUIREMENTS.—The acquisition strategy under paragraph (1) shall—

   (A) ensure the use of competitive procedures;

   (B) clearly describe the open-architecture design to be used;

   (C) provide a comprehensive fielding plan that provides 360-degree lower tier air and missile defense sensor capability to all units of the Army;

   (D) define the operation and sustainment cost savings of the acquisition strategy and other acquisition options of the Army;
(E) identify any programmatic cost avoidance that could be achieved through co-production, co-development, or foreign military sales;

(F) ensure the fielding of an interim gap-filler capability to the highest priority forces (consisting of not less than three battalions) for imminent threats; and

(G) identify the estimated cost to field both the 360-degree lower tier air and missile defense sensor capability and the interim capability pursuant to subparagraph (E).

(3) LIMITATION.—If the Secretary of the Army does not issue the acquisition strategy under subsection (a) by September 15, 2018, none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for the lower tier air and missile defense sensor of the Army that are unobligated as of such date may be obligated or expended.

(b) CONDITIONAL TRANSFER.—

(1) MDA.—If the Secretary of the Army does not issue the acquisition strategy under subsection (a) by September 15, 2018, the Secretary of Defense shall transfer from the Secretary of the Army to the Director of the Missile Defense Agency—
(A) the responsibility to issue the acquisition strategy described in subsection (a) by not later than August 15, 2019; and

(B) the responsibility to implement such acquisition strategy to procure a 360-degree lower tier air and missile defense sensor.

(2) ARMY.—If the Secretary of Defense carries out the transfer under paragraph (1), after the 360-degree lower tier air and missile defense sensor achieves Milestone B approval (or equivalent), but before such sensor achieves Milestone C approval (or equivalent), the Secretary of Defense shall transfer from the Director of the Missile Defense Agency to the Secretary of the Army the responsibility to procure such sensor.

(e) DEFINITIONS.—The terms “Milestone B approval” and “Milestone C approval” have the meanings given those terms in section 2366 of title 10, United States Code.

SEC. 1680. DEFENSE OF HAWAII FROM NORTH KOREAN BALLISTIC MISSILE ATTACK.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) expanding persistent midcourse and terminal ballistic missile defense system discrimination
capability is critically important to the defense of the United States; and

(2) the Department of Defense should take all appropriate steps to ensure Hawaii has missile defense coverage against the evolving ballistic missile threat, including from North Korea.

(b) SEQUENCED APPROACH.—The Secretary of Defense shall—

(1) protect the test and training operations of the Pacific Missile Range Facility; and

(2) assess the siting and functionality of a discrimination radar for homeland defense throughout the Hawaiian Islands before assessing the feasibility of improving the missile defense of Hawaii by using existing missile defense assets that could materially improve the defense of Hawaii.

(c) TEST.—The Director of the Missile Defense Agency shall—

(1) not later than December 31, 2020, conduct a test to evaluate and demonstrate, if technologically feasible, the capability to defeat a simple intercontinental ballistic missile threat using the standard missile 3 block IIA missile interceptor; and

(2) as part of the integrated master test plan for the ballistic missile defense system, develop a
plan to demonstrate a capability to defeat a complex intercontinental ballistic missile threat, including a complex threat posed by the intercontinental ballistic missiles of North Korea.

(d) REPORT.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report—

(1) that indicates whether demonstrating an intercontinental ballistic missile defense capability against North Korean ballistic missiles by the standard missile 3 block IIA missile interceptor poses any risks to strategic stability; and

(2) if the Secretary determines under paragraph (1) that such demonstration poses such risks to strategic stability, a description of the plan developed and implemented by the Secretary to address and mitigate such risks, as determined appropriate by the Secretary.

SEC. 1681. DESIGNATION OF LOCATION OF CONTINENTAL UNITED STATES INTERCEPTOR SITE.

If consistent with the direction or recommendations of the Ballistic Missile Defense Review that commenced in 2017, not later than 60 days after the date on which
the Ballistic Missile Defense Review is published, the Secretary of Defense shall—

(1) designate the preferred location of a potential additional continental United States interceptor site;

(2) in making such designation, consider—

(A) strategic and operational effectiveness, including with respect to the location that is the most advantageous site to the continental United States, including by having the capability to provide shoot-assess-shoot coverage to the entire continental United States;

(B) existing infrastructure at the location; and

(C) costs to construct, equip, and operate; and

(3) submit to the congressional defense committees a report on the designation made under paragraph (1) with respect to each factor specified in subparagraphs (A), (B), and (C) of such paragraph.

SEC. 1682. AEGIS ASHORE ANTI-AIR WARFARE CAPABILITY.

(a) AUTHORIZATION.—Subject to the availability of funds authorized to be appropriated by sections 101 and 201 of this Act or otherwise made available for fiscal year 2018 for procurement and research, development, test,
and evaluation, as specified in the funding tables in division D, the Secretary of Defense shall continue the development, procurement, and deployment of anti-air warfare capabilities at each Aegis Ashore site in Romania and Poland. The Secretary shall ensure the deployment of such capabilities—

(1) at such sites in Romania by not later than one year after the date of the enactment of this Act; and

(2) at such sites in Poland by not later than one year after the declaration of operational status for such sites.

(b) REPROGRAMMING AND TRANSFERS.—Any reprogramming or transfer made to carry out subsection (a) shall be carried out in accordance with established procedures for reprogramming or transfers.

SEC. 1683. DEVELOPMENT OF PERSISTENT SPACE-BASED SENSOR ARCHITECTURE.

(a) IN GENERAL.—If consistent with the direction or recommendations of the Ballistic Missile Defense Review that commenced in 2017, the Director of the Missile Defense Agency shall develop, using sound acquisition practices, a highly reliable and cost-effective persistent space-based sensor architecture capable of supporting the ballistic missile defense system.
(b) TESTING AND DEPLOYMENT.—The Director shall ensure that the sensor architecture developed under subsection (a) is rigorously tested before final production decisions or operational deployment.

(c) FUNCTIONS.—The sensor architecture developed under subsection (a) shall include one or more of the following functions:

1. Control of increased raid sizes.
2. Precision tracking of threat missiles.
3. Fire-control-quality tracks of evolving threat missiles.
4. Enabling of launch-on-remote and engage-on-remote capabilities.
5. Discrimination of warheads.
7. Enhanced shot doctrine.
8. Integration with the command, control, battle management, and communication program of the ballistic missile defense system.
9. Integration with all other elements of the current ballistic missile defense system, including the Terminal High Altitude Area Defense, Aegis Ballistic Missile Defense, Aegis Ashore, and Patriot Air and Missile Defense systems.
(10) Such additional functions as determined by the Ballistic Missile Defense Review.

(d) COST ESTIMATES.—Whenever the Director develops a cost estimate for the sensor architecture required by subsection (a), the Director shall use—

(1) the cost-estimating and assessment guide of the Comptroller General of the United States titled “GAO Cost Estimating and Assessment Guide” (GAO–09–3SP), or a successor guide; or

(2) the most current operating and support cost-estimating guide of the Office of Cost Assessment and Program Evaluation.

(e) PLAN.—Not later than one year after the date of the enactment of this Act, the Director shall submit to the appropriate congressional committees a plan that includes—

(1) how the Director will develop the sensor architecture under subsection (a), including with respect to the estimated costs (in accordance with subsection (d)) to develop, acquire, and deploy, and the lifecycle costs to operate and sustain, the sensor architecture;

(2) an assessment of the maturity of critical technologies necessary to make operational such sensor architecture, and recommendations for any re-
search and development activities to rapidly mature such technologies;

(3) an assessment of what capabilities such sensor architecture can contribute that other sensor architectures do not contribute;

(4) how the Director will leverage the use of national technical means, commercially available space and terrestrial capabilities, hosted payloads, small satellites, and other capabilities to carry out subsection (a); and

(5) any other matters the Director determines appropriate.

(f) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees; and

(2) the Select Committee on Intelligence of the Senate and the Permanent Select Committee on Intelligence of the House of Representatives.

SEC. 1684. IRON DOME SHORT-RANGE ROCKET DEFENSE SYSTEM AND ISRAELI COOPERATIVE MISSILE DEFENSE PROGRAM CO-DEVELOPMENT AND CO-PRODUCTION.

(a) IRON DOME SHORT-RANGE ROCKET DEFENSE SYSTEM.—
(1) **Availability of Funds.**—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for procurement, Defense-wide, and available for the Missile Defense Agency, not more than $92,000,000 may be provided to the Government of Israel to procure Tamir interceptors for the Iron Dome short-range rocket defense system through co-production of such interceptors in the United States by industry of the United States.

(2) **Conditions.**—

(A) **Agreement.**—Funds described in paragraph (1) for the Iron Dome short-range rocket defense program shall be available subject to the terms and conditions in the Agreement Between the Department of Defense of the United States of America and the Ministry of Defense of the State of Israel Concerning Iron Dome Defense System Procurement, signed on March 5, 2014, as amended to include co-production for Tamir interceptors. In negotiations by the Missile Defense Agency and the Missile Defense Organization of the Government of Israel regarding such production, the goal of the United States is to maximize oppor-
opportunities for co-production of the Tamir interceptors described in paragraph (1) in the United States by industry of the United States.

(B) Certification.—Not later than 30 days prior to the initial obligation of funds described in paragraph (1), the Director of the Missile Defense Agency and the Under Secretary of Defense for Acquisition and Sustainment shall jointly submit to the appropriate congressional committees—

(i) a certification that the amended bilateral international agreement specified in subparagraph (A) is being implemented as provided in such agreement; and

(ii) an assessment detailing any risks relating to the implementation of such agreement.

(b) Israeli Cooperative Missile Defense Program, David’s Sling Weapon System Co-production.—

(1) In General.—Subject to paragraph (2), of the funds authorized to be appropriated for fiscal year 2018 for procurement, Defense-wide, and available for the Missile Defense Agency not more than $120,000,000 may be provided to the Government of
Israel to procure the David’s Sling Weapon System, including for co-production of parts and components in the United States by United States industry.

(2) Certification.—The Under Secretary of Defense for Acquisition and Sustainment shall submit to the appropriate congressional committees a certification that—

(A) the Government of Israel has demonstrated the successful completion of the knowledge points, technical milestones, and production readiness reviews required by the research, development, and technology agreement and the bilateral co-production agreement for the David’s Sling Weapon System;

(B) funds specified in paragraph (1) will be provided on the basis of a one-for-one cash match made by Israel or in another matching amount that otherwise meets best efforts (as mutually agreed to by the United States and Israel); and

(C) the level of co-production of parts, components, and all-up rounds (if appropriate) in the United States by United States industry for the David’s Sling Weapon System is not less than 50 percent.
(c) Israeli Cooperative Missile Defense Program, Arrow 3 Upper Tier Interceptor Program Co-production.—

(1) In general.—Subject to paragraph (2), of the funds authorized to be appropriated for fiscal year 2018 for procurement, Defense-wide, and available for the Missile Defense Agency not more than $120,000,000 may be provided to the Government of Israel for the Arrow 3 Upper Tier Interceptor Program, including for co-production of parts and components in the United States by United States industry.

(2) Certification.—Except as provided by paragraph (3), the Under Secretary of Defense for Acquisition and Sustainment shall submit to the appropriate congressional committees a certification that—

(A) the Government of Israel has demonstrated the successful completion of the knowledge points, technical milestones, and production readiness reviews required by the research, development, and technology agreements for the Arrow 3 Upper Tier Development Program;
(B) funds specified in paragraph (1) will be provided on the basis of a one-for-one cash match made by Israel or in another matching amount that otherwise meets best efforts (as mutually agreed to by the United States and Israel);

(C) the United States has entered into a bilateral international agreement with Israel that establishes, with respect to the use of such funds—

(i) in accordance with subparagraph (D), the terms of co-production of parts and components on the basis of the greatest practicable co-production of parts, components, and all-up rounds (if appropriate) by United States industry and minimizes nonrecurring engineering and facilitization expenses to the costs needed for co-production;

(ii) complete transparency on the requirement of Israel for the number of interceptors and batteries that will be procured, including with respect to the procurement plans, acquisition strategy, and funding profiles of Israel;
(iii) technical milestones for co-production of parts and components and procurement;

(iv) a joint affordability working group to consider cost reduction initiatives; and

(v) joint approval processes for third-party sales; and

(D) the level of co-production described in subparagraph (C)(i) for the Arrow 3 Upper Tier Interceptor Program is not less than 50 percent.

(3) WAIVER.—The Under Secretary may waive the certification required by paragraph (2) if the Under Secretary certifies to the appropriate congressional committees that the Under Secretary has received sufficient data from the Government of Israel to demonstrate—

(A) the funds specified in paragraph (1) are provided to Israel solely for funding the procurement of long-lead components and critical hardware in accordance with a production plan, including a funding profile detailing Israeli contributions for production, including
long-lead production, of the Arrow 3 Upper Tier Interceptor Program;

(B) such long-lead components have successfully completed knowledge points, technical milestones, and production readiness reviews; and

(C) the long-lead procurement will be conducted in a manner that maximizes co-production in the United States without incurring nonrecurring engineering activity or cost other than such activity or cost required for suppliers of the United States to start or restart production in the United States.

(d) NUMBER.—In carrying out paragraph (2) of subsection (b) and paragraph (2) of subsection (c), the Under Secretary may submit—

(1) one certification covering both the David’s Sling Weapon System and the Arrow 3 Upper Tier Interceptor Program; or

(2) separate certifications for each respective system.

(e) TIMING.—The Under Secretary shall submit to the congressional defense committees the certifications under paragraph (2) of subsection (b) and paragraph (2) of subsection (c) by not later than 60 days before the
funds specified in paragraph (1) of subsections (b) and (c) for the respective system covered by the certification are provided to the Government of Israel.

(f) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means the following:

(1) The congressional defense committees.

(2) The Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1685. BOOST PHASE BALLISTIC MISSILE DEFENSE.

(a) SENSE OF CONGRESS.—It is the sense of Congress that, if consistent with the direction or recommendations of the Ballistic Missile Defense Review that commenced in 2017—

(1) the Secretary of Defense should rapidly develop and demonstrate a boost phase intercept capability for missile defense as soon as practicable;

(2) existing technologies should be adapted to demonstrate this capability;

(3) the concept of operation for this demonstration should be developed in cooperation with the United States Pacific Command to address emerging threats and heightened tensions in the Asia-Pacific region; and
(4) the Secretary should prioritize funding allocations for the development of boost phase intercept capabilities and coordinate these efforts with the Missile Defense Agency as the Agency develops a space-based missile defense sensor layer.

(b) INITIAL OPERATIONAL DEPLOYMENT.—The Secretary of Defense shall ensure that an effective interim kinetic or directed energy boost phase ballistic missile defense capability is available for initial operational deployment as soon as practicable.

(c) PLAN.—Together with the budget of the President submitted to Congress under section 1105(a) of title 31, United States Code, for fiscal year 2019, the Secretary of Defense shall submit to the congressional defense committees a plan to achieve the requirement in subsection (b). Such plan shall include—

(1) the budget requirements;

(2) a robust test schedule; and

(3) a plan to develop an enduring boost phase ballistic missile defense capability, including cost and test schedule.

SEC. 1686. GROUND-BASED INTERCEPTOR CAPABILITY, CAPACITY, AND RELIABILITY.

(a) INCREASE IN CAPACITY AND CONTINUED ADVANCEMENT.—The Secretary of Defense may—
(1) subject to the amounts authorized to be appropriated for national missile defense, increase the number of the ground-based interceptors of the United States by up to 28, if consistent with the direction or recommendations of the Ballistic Missile Defense Review that commenced in 2017;

(2) develop a plan to further increase such number to the currently available missile field capacity of 104 and to plan for any future capacity at any site that may be identified by such Ballistic Missile Defense Review; and

(3) continue to rapidly advance missile defense technologies to improve the capability and reliability of the ground-based midcourse defense element of the ballistic missile defense system.

(b) DEPLOYMENT.—Not later than December 31, 2021, the Secretary of Defense may—

(1) execute any requisite construction to ensure that Missile Field 1 or Missile Field 2 at Fort Greely, Alaska, or alternative missile fields at Fort Greely which may be identified pursuant to subsection (a), are capable of supporting and sustaining additional ground-based interceptors; and
(2) deploy up to 20 additional ground-based interceptors to a missile field at Fort Greely as soon as technically feasible.

(c) Report.—

(1) In general.—If consistent with the direction or recommendations of the Ballistic Missile Defense Review that commenced in 2017, the Director of the Missile Defense Agency shall submit to the congressional defense committees, not later than 90 days after the date on which the Ballistic Missile Defense Review is published, a report on options to increase the capability, capacity, and reliability of the ground-based midcourse defense element of the ballistic missile defense system and the infrastructure requirements for increasing the number of ground-based interceptors in currently feasible locations across the United States.

(2) Contents.—The report under paragraph (1) shall include the following:

(A) An identification of potential sites in the United States, whether existing or new on the East Coast or in the Midwest, for the deployment of 104 ground-based interceptors.
(B) A cost-benefit analysis of each such site, including with respect to tactical, operational, and cost-to-construct considerations.

(C) A description of any completed and outstanding environmental assessments or impact statements for each such site.

(D) A description of the additional infrastructure and components needed to further outfit missile fields at Fort Greely before emplacing additional ground-based interceptors configured with the redesigned kill vehicle, including with respect to ground excavation, silos, utilities, and support equipment.

(E) A cost estimate of such infrastructure and components.

(F) An estimated schedule for completing such construction as may be required for such infrastructure and components.

(G) An identification of any environmental assessments or impact studies that would need to be conducted to expand such missile fields at Fort Greely beyond current capacity.

(H) A determination of the appropriate fleet mix of ground-based interceptor kill vehicles and boosters to maximize overall system ef-
fectiveness and increase its capacity and capability, including the costs and benefits of continued inclusion of capability enhancement II block 1 interceptors after the fielding of the redesigned kill vehicle.

(3) FORM.—The report submitted under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1687. LIMITATION ON AVAILABILITY OF FUNDS FOR GROUND-BASED MIDCOURSE DEFENSE ELEMENT OF THE BALLISTIC MISSILE DEFENSE SYSTEM.

Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for the ground-based midcourse defense element of the ballistic missile defense system, $50,000,000 may not be obligated or expended until the date on which the Director of the Missile Defense Agency submits to the congressional defense committees a written certification that the risk of mission failure of ground-based midcourse interceptor enhanced kill vehicles due to foreign object debris has been minimized.
SEC. 1688. PLAN FOR DEVELOPMENT OF SPACE-BASED BALISTIC MISSILE INTERCEPT LAYER.

(a) DEVELOPMENT.—If consistent with the direction or recommendations of the Ballistic Missile Defense Review that commenced in 2017, the Director of the Missile Defense Agency shall develop a space-based ballistic missile intercept layer to the ballistic missile defense system that is—

(1) regionally focused;

(2) capable of providing boost-phase defense;

and

(3) achieves an operational capability at the earliest practicable date.

(b) SPACE-BASED BALISTIC MISSILE INTERCEPT LAYER PLAN.—If the Director carries out subsection (a), not later than one year after the date of the enactment of this Act, the Director shall submit to the appropriate congressional committees a plan to carry out subsection (a) during the 10-year period following the date of the plan. Such plan shall include the following:

(1) A concept definition phase consisting of multiple awarded contracts to identify feasible solutions consistent with architectural principles, performance goals, and price points established by the Director, such as contracts relating to—

(A) refined requirements;
(B) conceptual designs;

(C) technology readiness assessments;

(D) critical technical and operational issues;

(E) cost, schedule, performance estimates;

and

(F) risk reduction plans.

(2) A technology risk reduction phase consisting of up to three competitively awarded contracts focused on maturing, integrating, and characterizing key technologies, algorithms, components, and subsystems, such as contracts relating to—

(A) refined concepts and designs;

(B) engineering trade studies;

(C) medium-to-high fidelity digital representations of the space-based ballistic missile intercept weapon system; and

(D) a proposed integration and test sequence that could potentially lead to a live-fire boost phase intercept during fiscal year 2022, if the technology has reached sufficient maturity and is economically viable.

(3) During the technology risk reduction phase, contractors will define proposed demonstrations to a
preliminary design review level prior to a technology development phase down-select.

(4) A technology development phase consisting of two competitively awarded contracts to mature the preferred space-based ballistic missile intercept weapon system concepts and to potentially conduct a live-fire boost phase intercept fly-off during fiscal year 2022, if the technology has reached sufficient maturity and is economically viable, with brassboard hardware and prototype software on a path to the operational goal.

(5) A concurrent space-based ballistic missile intercept weapon system fire control test bed activity that incrementally incorporates modeling and simulation elements, real-world data, hardware, algorithms, and systems to evaluate with increasing confidence the performance of evolving designs and concepts of such weapon system from target detection to intercept.

(6) Any other matters the Director determines appropriate.

(c) ESTABLISHMENT OF SPACE TEST BED.—In carrying out subsection (a), the Director of the Missile Defense Agency shall establish a space test bed to—
(1) conduct research and development regarding options for a space-based defensive layer, including with respect to space-based interceptors and directed energy platforms; and

(2) identify the most cost-efficient and promising technological solutions to implementing such layer.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees; and

(2) the Select Committee on Intelligence of the Senate and the Permanent Select Committee on Intelligence of the House of Representatives.

SEC. 1689. SENSE OF CONGRESS ON THE STATE OF THE MISSILE DEFENSE OF THE UNITED STATES.

It is the sense of Congress that—

(1) the Secretary of Defense should use the Ballistic Missile Defense Review that commenced in 2017 to consider accelerating the development of technologies that will increase the capacity, capability, and reliability of the ground-based midcourse defense element of the ballistic missile defense system;
(2) upon completion of the Ballistic Missile Defense Review, the Director of the Missile Defense Agency should, to the extent practicable and with sound acquisition practices, accelerate the development, testing, and fielding of such capabilities as they are prioritized in the Ballistic Missile Defense Review, with respect to the redesigned kill vehicle, the multi-object kill vehicle, the C3 booster, a space-based sensor layer, boost phase sensor and kill technologies, and additional ground-based interceptors; and

(3) in order to achieve these objectives, and to avoid post-production and post-deployment problems, it is essential for the Department of Defense and the Missile Defense Agency to follow a “fly before you buy” approach to adequately test and assess the elements of the ballistic missile defense system before final production decisions or operational deployment.

SEC. 1690. SENSE OF CONGRESS AND REPORT ON GROUND-BASED MIDCOURSE DEFENSE TESTING.

(a) Sense of Congress.—It is the sense of Congress that—

(1) at a minimum, the Missile Defense Agency should continue to flight test the ground-based mid-course defense element at least once each fiscal year;
(2) the Department of Defense should allocate increased funding to homeland missile defense testing to ensure that the defenses of the United States continue to evolve faster than the threats against which they are postured to defend, while pursuing a sound acquisition practice;

(3) in order to rapidly innovate, develop, and field new technologies, the Director of the Missile Defense Agency should continue to focus testing campaigns on delivering increased capabilities to the Armed Forces as quickly as possible; and

(4) the Director should seek to establish a more prudent balance between risk mitigation and the more rapid testing pace needed to quickly develop and deliver new capabilities to the Armed Forces.

(b) REPORT.—

(1) IN GENERAL.—If consistent with the direction or recommendations of the Ballistic Missile Defense Review that commenced in 2017, not later than 90 days after the date on which the Review is published, the Director of the Missile Defense Agency shall submit to the congressional defense committees a revised missile defense testing campaign plan that accelerates the development and deployment of new missile defense technologies.
(2) CONTENTS.—The report under paragraph (1) shall include the following:

(A) A detailed analysis of the acceleration of each of following programs:

(i) Redesigned kill vehicle.

(ii) Multi-object kill vehicle.

(iii) Configuration-3 Booster.

(iv) Such additional technologies as the Director considers appropriate.

(B) A new deployment timeline for each of the programs listed in subparagraph (A) or a detailed description of why the current timeline for deployment technologies under those programs is most suitable.

(C) An identification of any funding or policy restrictions that would slow down the deployment of the technologies under the programs listed in subparagraph (A).

(D) A risk assessment of the potential cost-overruns and deployment delays that may be encountered in the expedited development process of the capabilities under paragraph (1).

(e) REPORT ON FUNDING PROFILE.—The Director shall include with the budget justification materials submitted to Congress in support of the budget of the Depart-
ment of Defense for fiscal year 2019 (as submitted with
the budget of the President under section 1105(a) of title
31, United States Code) a report on the funding profile
necessary for the new testing campaign plan required by
subsection (b)(1).

Subtitle F—Other Matters

SEC. 1691. COMMISSION TO ASSESS THE THREAT TO THE
UNITED STATES FROM ELECTROMAGNETIC
PULSE ATTACKS AND SIMILAR EVENTS.

(a) Establishment.—There is hereby established a
commission to be known as the “Commission to Assess
the Threat to the United States from Electromagnetic
Pulse Attacks and Similar Events” (hereafter in this sec-
tion referred to as the “Commission”). The purpose of the
Commission is to assess and make recommendations with
respect to the threat to the United States from electro-
magnetic pulse attacks and similar events.

(b) Composition.—

(1) Membership.—The Commission shall be
composed of 12 members appointed as follows:

(A) Three members appointed by the chair
of the Committee on Armed Services of the
House of Representatives.

(B) Three members appointed by the rank-
ing minority member of the Committee on
Armed Services of the House of Representatives.

(C) Three members appointed by the chair of the Committee on Armed Services of the Senate.

(D) Three members appointed by the ranking minority member of the Committee on Armed Services of the Senate.

(2) CHAIR AND VICE CHAIR.—

(A) CHAIR.—The chair of the Committee on Armed Services of the House of Representatives and the chair of the Committee on Armed Services of the Senate shall jointly designate one member of the Commission to serve as chair of the Commission.

(B) VICE CHAIR.—The ranking minority member of the Committee on Armed Services of the House of Representatives and the ranking minority member of the Committee on Armed Services of the Senate shall jointly designate one member of the Commission to serve as vice chair of the Commission.

(3) SECURITY CLEARANCE REQUIRED.—Each individual appointed as a member of the Commission shall possess (or have recently possessed before the
date of such appointment) the appropriate security
clearance necessary to carry out the duties of the
Commission.

(4) QUALIFICATION.—Members of the Commis-

sion shall be appointed from among private United
States citizens with knowledge and expertise in the
scientific, technical, and defense aspects of electro-
magnetic pulse threats, geomagnetic disturbances,
and related vulnerabilities.

(5) PERIOD OF APPOINTMENT; VACANCIES.—

Members shall be appointed for the life of the Com-
mission. Any vacancy in the Commission shall be
filled in the same manner as the original appoint-
ment.

(c) DUTIES.—

(1) REVIEW AND ASSESSMENT.—The Commis-

sion shall review and assess—

(A) the nature, magnitude, and likelihood
of potential electromagnetic pulse (hereafter in
section referred to as “EMP”) attacks and
similar events, including geomagnetic disturb-
ances, both manmade and natural, that could
be directed at or affect the United States within
the next 20 years;
(B) the vulnerability of United States military and civilian systems to EMP attacks and similar events, including with respect to emergency preparedness and immediate response;

(C) the capability of the United States to repair and recover from damage inflicted on United States military and civilian systems by EMP attacks and similar events; and

(D) the feasibility and cost of hardening critical military and civilian systems against EMP attack and similar events.

(2) RECOMMENDATIONS.—The Commission shall recommend any actions it believes should be taken by the United States to better prepare, prevent, mitigate, or recover military and civilian systems with respect to EMP attacks and similar events.

(d) COOPERATION FROM GOVERNMENT.—

(1) COOPERATION.—In carrying out its duties, the Commission shall receive the full and timely cooperation of the Secretary of Defense, the Secretary of Energy, the Secretary of Homeland Security, and the pertinent heads of any other Federal agency in providing the Commission with analysis, briefings,
and other information necessary for the fulfillment of its responsibilities.

(2) Liaison.—Each Secretary specified in paragraph (1) shall designate at least one officer or employee of the respective department of the Secretary to serve as a liaison officer between the Department and the Commission.

c) Report.—

(1) Final report.—

(A) In general.—Not later than April 1, 2019, the Commission shall submit to the President, the Secretary of Defense, the Committee on Armed Services of the House of Representatives, and the Committee on Armed Services of the Senate a report on the findings, conclusions, and recommendations of the Commission.

(B) Form of report.—The report submitted to Congress under subparagraph (A) shall be submitted in unclassified form, but may include a classified annex.

(2) Views of the Secretary.—Not later than 90 days after the submittal of the report under paragraph (1), the Secretary of Defense shall submit to the Committee on Armed Services of the House
of Representatives and the Committee on Armed Services of the Senate a report that contains the views of the Secretary with respect to the findings, conclusions, and recommendations of the Commission and any actions the Secretary intends to take as a result.

(3) INTERIM BRIEFING.—Not later than October 1, 2018, the Commission shall provide to the Committee on Armed Services of the House of Representatives and the Committee on Armed Services of the Senate a briefing on the status of the activities of the Commission, including a discussion of any interim recommendations.

(f) FUNDING.—Of the amounts authorized to be appropriated by this Act for the Department of Defense, $3,000,000 is available to fund the activities of the Commission, as specified in the funding tables in division D.

(g) APPLICATION OF FEDERAL ADVISORY COMMITTEE ACT.—The Federal Advisory Committee Act (5 U.S.C. App.) shall apply to the Commission.

(h) TERMINATION.—The Commission shall terminate on October 1, 2019.

(i) REPEAL.—Title XIV of Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106–398) is repealed.
SEC. 1692. PROTECTION OF CERTAIN FACILITIES AND ASSETS FROM UNMANNED AIRCRAFT.

Section 130i of title 10, United States Code, is amended to read as follows:

“§ 130i Protection of certain facilities and assets from unmanned aircraft

“(a) AUTHORITY.—Notwithstanding section 46502 of title 49, or any provision of title 18, the Secretary of Defense may take, and may authorize members of the armed forces and officers and civilian employees of the Department of Defense with assigned duties that include safety, security, or protection of personnel, facilities, or assets, to take, such actions described in subsection (b)(1) that are necessary to mitigate the threat (as defined by the Secretary of Defense, in consultation with the Secretary of Transportation) that an unmanned aircraft system or unmanned aircraft poses to the safety or security of a covered facility or asset.

“(b) ACTIONS DESCRIBED.—(1) The actions described in this paragraph are the following:

“(A) Detect, identify, monitor, and track the unmanned aircraft system or unmanned aircraft, without prior consent, including by means of intercept or other access of a wire communication, an oral communication, or an electronic communication
used to control the unmanned aircraft system or unmanned aircraft.

“(B) Warn the operator of the unmanned aircraft system or unmanned aircraft, including by passive or active, and direct or indirect physical, electronic, radio, and electromagnetic means.

“(C) Disrupt control of the unmanned aircraft system or unmanned aircraft, without prior consent, including by disabling the unmanned aircraft system or unmanned aircraft by intercepting, interfering, or causing interference with wire, oral, electronic, or radio communications used to control the unmanned aircraft system or unmanned aircraft.

“(D) Seize or exercise control of the unmanned aircraft system or unmanned aircraft.

“(E) Seize or otherwise confiscate the unmanned aircraft system or unmanned aircraft.

“(F) Use reasonable force to disable, damage, or destroy the unmanned aircraft system or unmanned aircraft.

“(2) The Secretary of Defense shall develop the actions described in paragraph (1) in coordination with the Secretary of Transportation.

“(c) FORFEITURE.—Any unmanned aircraft system or unmanned aircraft described in subsection (a) that is
seized by the Secretary of Defense is subject to forfeiture to the United States.

“(d) REGULATIONS AND GUIDANCE.—(1) The Secretary of Defense and the Secretary of Transportation may prescribe regulations and shall issue guidance in the respective areas of each Secretary to carry out this section.

“(2)(A) The Secretary of Defense and the Secretary of Transportation shall coordinate in the development of guidance under paragraph (1).

“(B) The Secretary of Defense shall coordinate with the Secretary of Transportation and the Administrator of the Federal Aviation Administration before issuing any guidance or otherwise implementing this section if such guidance or implementation might affect aviation safety, civilian aviation and aerospace operations, aircraft airworthiness, or the use of airspace.

“(e) PRIVACY PROTECTION.—The regulations prescribed or guidance issued under subsection (d) shall ensure that—

“(1) the interception or acquisition of, or access to, communications to or from an unmanned aircraft system under this section is conducted in a manner consistent with the fourth amendment to the Constitution and applicable provisions of Federal law;
“(2) communications to or from an unmanned aircraft system are intercepted, acquired, or accessed only to the extent necessary to support a function of the Department of Defense;

“(3) records of such communications are not maintained for more than 180 days unless the Secretary of Defense determines that maintenance of such records—

“(A) is necessary to support one or more functions of the Department of Defense; or

“(B) is required for a longer period to support a civilian law enforcement agency or by any other applicable law or regulation; and

“(4) such communications are not disclosed outside the Department of Defense unless the disclosure—

“(A) would fulfill a function of the Department of Defense;

“(B) would support a civilian law enforcement agency or the enforcement activities of a regulatory agency of the Federal Government in connection with a criminal or civil investigation of, or any regulatory action with regard to, an action described in subsection (b)(1); or
“(C) is otherwise required by law or regulation.

“(f) BUDGET.—The Secretary of Defense shall submit to Congress, as a part of the defense budget materials for each fiscal year after fiscal year 2018, a consolidated funding display that identifies the funding source for the actions described in subsection (b)(1) within the Department of Defense. The funding display shall be in unclassified form, but may contain a classified annex.

“(g) SEMIANNUAL BRIEFINGS.—(1) On a semianual basis during the five-year period beginning March 1, 2018, the Secretary of Defense and the Secretary of Transportation, shall jointly provide a briefing to the appropriate congressional committees on the activities carried out pursuant to this section. Such briefings shall include—

“(A) policies, programs, and procedures to mitigate or eliminate impacts of such activities to the National Airspace System;

“(B) a description of instances where actions described in subsection (b)(1) have been taken;

“(C) how the Secretaries have informed the public as to the possible use of authorities under this section; and
“(D) how the Secretaries have engaged with Federal, State, and local law enforcement agencies to implement and use such authorities.

“(2) Each briefing under paragraph (1) shall be in unclassified form, but may be accompanied by an additional classified briefing.

“(h) RULE OF CONSTRUCTION.—Nothing in this section may be construed to—

“(1) vest in the Secretary of Defense any authority of the Secretary of Transportation or the Administrator of the Federal Aviation Administration under title 49; and

“(2) vest in the Secretary of Transportation or the Administrator of the Federal Aviation Administration any authority of the Secretary of Defense under this title.

“(i) PARTIAL TERMINATION.—(1) Except as provided by paragraph (2), the authority to carry out this section with respect to the covered facilities or assets specified in clauses (iv) through (viii) of subsection (j)(3) shall terminate on December 31, 2020.

“(2) The President may extend by 180 days the termination date specified in paragraph (1) if before November 15, 2020, the President certifies to Congress that such
extension is in the national security interests of the United States.

“(j) DEFINITIONS.—In this section:

“(1) The term ‘appropriate congressional committees’ means—

“(A) the congressional defense committees;

“(B) the Select Committee on Intelligence, the Committee on the Judiciary, and the Committee on Commerce, Science, and Transportation of the Senate; and

“(C) the Permanent Select Committee on Intelligence, the Committee on the Judiciary, and the Committee on Transportation and Infrastructure of the House of Representatives.

“(2) The term ‘budget’, with respect to a fiscal year, means the budget for that fiscal year that is submitted to Congress by the President under section 1105(a) of title 31.

“(3) The term ‘covered facility or asset’ means any facility or asset that—

“(A) is identified by the Secretary of Defense, in consultation with the Secretary of Transportation with respect to potentially impacted airspace, through a risk-based assessment for purposes of this section;
“(B) is located in the United States (including the territories and possessions of the United States); and
“(C) directly relates to the missions of the Department of Defense pertaining to—
“(i) nuclear deterrence, including with respect to nuclear command and control, integrated tactical warning and attack assessment, and continuity of government;
“(ii) missile defense;
“(iii) national security space;
“(iv) assistance in protecting the President or the Vice President (or other officer immediately next in order of succession to the office of the President) pursuant to the Presidential Protection Assistance Act of 1976 (18 U.S.C. 3056 note);
“(v) air defense of the United States, including air sovereignty, ground-based air defense, and the National Capital Region integrated air defense system;
“(vi) combat support agencies (as defined in paragraphs (1) through (4) of section 193(f) of this title);
“(vii) special operations activities specified in paragraphs (1) through (9) of section 167(k) of this title;

“(viii) production, storage, transportation, or decommissioning of high-yield explosive munitions, by the Department; or

“(ix) a Major Range and Test Facility Base (as defined in section 196(i) of this title).

“(4) The term ‘defense budget materials’, with respect to a fiscal year, means the materials submitted to Congress by the Secretary of Defense in support of the budget for that fiscal year.

“(5) The terms ‘electronic communication’, ‘intercept’, ‘oral communication’, and ‘wire communication’ have the meanings given those terms in section 2510 of title 18.

“(6) The terms ‘unmanned aircraft’ and ‘unmanned aircraft system’ have the meanings given those terms in section 331 of the FAA Modernization and Reform Act of 2012 (Public Law 112–95; 49 U.S.C. 40101 note).”.
SEC. 1693. CONVENTIONAL PROMPT GLOBAL STRIKE WEAPONS SYSTEM.

(a) EARLY OPERATIONAL CAPABILITY.—The Secretary of Defense, in coordination with the Chairman of the Joint Chiefs of Staff, shall plan to reach early operational capability for the conventional prompt strike weapon system by not later than September 30, 2022.

(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Chairman of the Joint Chiefs of Staff, in consultation with the Chief of Staff of the Army, the Commander of the United States European Command, the Commander of the United States Pacific Command, and the Commander of the United States Strategic Command, shall submit to the congressional defense committees a report on the conventional prompt global strike weapons system with respect to—

(1) the required level of resources that is consistent with the level of priority assigned to the associated capability gap;

(2) the estimated period for the delivery of a medium-range early operational capability, the required level of resources necessary to field a medium-range conventional prompt global strike weapon within the United States (including the territories and possessions of the United States), or a similar sea-based system, and a detailed plan consistent
with the urgency of the associated capability gap across multiple platforms;

(3) the joint performance requirements that—

(A) ensure interoperability, where appropriate, between and among joint military capabilities; and

(B) are necessary, as designated by the Chairman of the Joint Chiefs of Staff, to fulfill capability gaps of more than one military department, Defense Agency, or other element of the Department; and

(4) in coordination with the Secretary of Defense, any plan (including policy options) considered appropriate to address any potential risks of ambiguity from the launch or employment of such a capability.

SEC. 1694. BUSINESS CASE ANALYSIS REGARDING AMMONIUM PERCHLORATE.

(a) IN GENERAL.—The Secretary of Defense, acting through the Director of Cost Assessment and Program Evaluation, shall conduct a business case analysis regarding the options of the Federal Government to ensure a robust domestic industrial base to supply ammonium perchlorate for use in solid rocket motors. Such analysis should include assessments of the near- and long-term
costs, program impacts, opportunities for competition, opportunities for redundant or complementary capabilities, and national security implications of—

(1) continuing to rely on one domestic provider;

(2) supporting development of a second domestic source;

(3) procuring ammonium perchlorate as Government-furnished material and providing it to all necessary programs; and

(4) such other options as the Secretary determines appropriate.

(b) ELEMENTS.—The analysis under subsection (a) shall, at minimum, include—

(1) an estimate of all associated costs, including development costs, procurement costs, and qualification and requalification costs (and types of associated testing for requalification), as applicable;

(2) an assessment of options, under various scenarios, for the quantity of ammonium perchlorate that would be required by the Department of Defense; and

(3) the assessment of the Secretary of how the requirements for ammonium perchlorate of other Federal agencies impact the requirements of the Department of Defense.
(c) REPORT.—The Secretary shall submit the business case analysis required by subsection (a) to the Comptroller General of the United States and the Committees on Armed Services of the Senate and House of Representatives by March 1, 2018, along with any views of the Secretary.

(d) REVIEW.—The Comptroller General of the United States shall conduct a review of the report submitted by the Secretary under subsection (c) and, not later than 30 days after receiving such report, provide a briefing on such review to the Committees on Armed Services of the Senate and House of Representatives.

SEC. 1695. REPORT ON INDUSTRIAL BASE FOR LARGE SOLID ROCKET MOTORS AND RELATED TECHNOLOGIES.

(a) REPORT.—Not later than March 1, 2018, the Secretary of Defense, in consultation with the Administrator of the National Aeronautics and Space Administration, shall submit to the appropriate congressional committees a report on options to ensure a robust domestic industrial base for large solid rocket motors, including with respect to the critical technologies, subsystems, components, and materials within and relating to such rocket motors.
(b) MATTERS INCLUDED.—The report under subsection (a) shall include the following:

(1) An assessment of options that would sustain not less than two domestic suppliers for—

(A) large solid rocket motors;

(B) small liquid-fueled rocket engines;

(C) aeroshells for reentry vehicles (or reentry bodies);

(D) strategic radiation-hardened microelectronics; and

(E) any other critical technologies, sub-systems, components, and materials within and relating to large solid rocket motors that the Secretary determines appropriate.

(2) With respect to the sustainment of domestic suppliers as described in paragraph (1), the views of the Secretary on—

(A) such sustainment of not less than two domestic suppliers for each item specified in subparagraphs (A) through (E) of such paragraph;

(B) the risks within the industrial base for each such item;

(C) the estimated costs for such sustainment; and
(D) the opportunities to ensure or promote
competition within the industrial base for each
such item.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DE-
FINED.—In this section, the term “appropriate congres-
sional committees” means—

(1) the Committee on Armed Services and the
Permanent Select Committee on Intelligence of the
House of Representatives; and

(2) the Committee on Armed Services of the
Senate.

SEC. 1696. PILOT PROGRAM ON ENHANCING INFORMATION
SHARING FOR SECURITY OF SUPPLY CHAIN.

(a) ESTABLISHMENT.—Not later than June 1, 2019,
the Secretary of Defense shall establish a pilot program
to enhance information sharing with cleared defense con-
tractors to ensure all source information is appropriately,
singularly, and exclusively shared for the purpose of ensur-
ing the security or integrity of the supply chain of covered
programs.

(b) SELECTION.—The Secretary shall select not more
than 10 acquisition or sustainment programs of the De-
partment of Defense to participate in the pilot program
under subsection (a), of which—
(1) not fewer than one program shall be related to nuclear weapons;

(2) not fewer than one program shall be related to nuclear command, control, and communications;

(3) not fewer than one program shall be related to continuity of government;

(4) not fewer than one program shall be related to ballistic missile defense;

(5) not fewer than one program shall be related to other command and control systems; and

(6) not fewer than one program shall be related to space systems.

(c) REPORT.—Not later than March 1, 2018, the Secretary shall submit to the congressional defense committees a report that includes—

(1) details on how the Secretary will establish the pilot program under subsection (a) to ensure all source information is appropriately, singularly, and exclusively shared for the purpose of ensuring the security or integrity of the supply chain of covered programs;

(2) details of any personnel, funding, or statutory constraints in carrying out the pilot program; and
(3) the identification of any legislative action or administrative action required to provide the Secretary with specific additional authorities required to fully implement the pilot program.

(d) Cleared Defense Contractors Defined.—In this section, the term “cleared defense contractors” means contractors of the Department of Defense who have a security clearance, including contractor facilities that have a security clearance.

SEC. 1697. PILOT PROGRAM ON ELECTROMAGNETIC SPECTRUM MAPPING.

(a) In General.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense may establish a pilot program to assess the viability of mapping the electromagnetic spectrum used by the Department of Defense.

(b) Duration.—The authority of the Secretary to carry out the pilot program under subsection (a) shall terminate on the date that is one year after the date of the enactment of this Act.

(c) Interim Briefing.—Not later than 60 days after the date of enactment of this Act, the Secretary of Defense shall provide a briefing to the Committees on Armed Services of the House of Representatives and the Senate (and to any other congressional defense committee
upon request) demonstrating how the Secretary plans to implement the pilot program under subsection (a).

(d) **FINAL BRIEFING.**—Not later than 90 days after the pilot program under subsection (a) is completed, the Secretary shall provide a briefing to the Committees on Armed Services of the House of Representatives and the Senate (and to any other congressional defense committee upon request) on the utility, cost, and other considerations regarding the mapping of the electromagnetic spectrum used by the Department of Defense.

**SEC. 1698. USE OF COMMERCIAL ITEMS IN DISTRIBUTED COMMON GROUND SYSTEMS.**

(a) **IN GENERAL.**—The procurement process for each covered Distributed Common Ground System shall be carried out in accordance with section 2377 of title 10, United States Code.

(b) **CERTIFICATION.**—Not later than 30 days after the date of the enactment of this Act, the service acquisition executive responsible for each covered Distributed Common Ground System shall certify to the appropriate congressional committees that the procurement process for increments of the system procured after the date of the enactment of this Act will be carried out in accordance with section 2377 of title 10, United States Code.

(c) **DEFINITIONS.**—In this section:
(1) The term “appropriate congressional committees” means—

(A) the congressional defense committees; and

(B) the Select Committee on Intelligence of the Senate and the Permanent Select Committee on Intelligence of the House of Representatives.

(2) The term “covered Distributed Common Ground System” includes the following:

(A) The Distributed Common Ground System of the Army.

(B) The Distributed Common Ground System of the Navy.

(C) The Distributed Common Ground System of the Marine Corps.

(D) The Distributed Common Ground System of the Air Force.

(E) The Distributed Common Ground System of the Special Operations Forces.

**TITLE XVII—SMALL BUSINESS PROCUREMENT AND INDUSTRIAL BASE MATTERS**

Sec. 1701. Amendments to HUBZone provisions of the Small Business Act.
Sec. 1702. Uniformity in procurement terminology.
Sec. 1703. Improving reporting on small business goals.
Sec. 1704. Responsibilities of Business Opportunity Specialists.
Sec. 1705. Responsibilities of commercial market representatives.
Sec. 1706. Modification of past performance pilot program to include consideration of past performance with allies of the United States.

Sec. 1707. Notice of cost-free Federal procurement technical assistance in connection with registration of small business concerns on procurement websites of the Department of Defense.

Sec. 1708. Inclusion of SBIR and STTR programs in technical assistance.

Sec. 1709. Requirements relating to competitive procedures and justification for awards under the SBIR and STTR programs.

Sec. 1710. Pilot program for streamlined technology transition from the SBIR and STTR programs of the Department of Defense.

Sec. 1711. Pilot program on strengthening manufacturing in the defense industrial base.

Sec. 1712. Review regarding applicability of foreign ownership, control, or influence requirements of National Industrial Security Program to national technology and industrial base companies.

Sec. 1713. Report on sourcing of tungsten and tungsten powders from domestic producers.


**SEC. 1701. AMENDMENTS TO HUBZONE PROVISIONS OF THE SMALL BUSINESS ACT.**

(a) Transfer of HUBZone Definitions.—

(1) Redesignation.—Section 31 of the Small Business Act (15 U.S.C. 657a) is amended by redesignating subsections (b), (c), and (d) as subsections (c), (d), and (e), respectively.

(2) Transfer.—Subsection (p) of section 3 of the Small Business Act (15 U.S.C. 632(p)) is transferred to section 31 of the Small Business Act (15 U.S.C. 657a), inserted so as to appear after subsection (a), and redesignated as subsection (b), and is amended—

(A) by striking “In this Act:” and inserting “In this section:”;

(B) in paragraph (1)—
1314

(i) by striking “term” and inserting

“terms”; and

(ii) by striking “means” and inserting

“or ‘HUBZone’ mean”; and

(C) by striking paragraph (2) (and redesignating subsequent paragraphs accordingly).

(3) DEFINITION OF QUALIFIED HUBZONE
SMALL BUSINESS CONCERN.—Section 3 of the Small
Business Act (15 U.S.C. 632), as amended by para-
graph (2), is further amended by inserting after sub-
section (o) the following new subsection (p):

“(p) QUALIFIED HUBZONE SMALL BUSINESS CON-
CERN.—In this Act, the term ‘qualified HUBZone small
business concern’ has the meaning given such term in sec-
tion 31(b).”.

(4) CONFORMING AMENDMENTS.—

(A) MENTOR-PROTEGE PROGRAM.—Section
831(n)(2)(G) of the National Defense Author-
ization Act for Fiscal Year 1991 (Public Law
101–510; 104 Stat. 1607; 10 U.S.C. 2302
note) is amended by striking “section 3(p) of
the Small Business Act (15 U.S.C. 632(p))”
and inserting “section 31(b) of the Small Busi-
ness Act”. 
(B) **Title 10.**—Section 2323 of title 10, United States Code, is amended by striking “section 3(p) of the Small Business Act” each place it appears and inserting “section 31(b) of the Small Business Act”.

(C) **Small Business Act.**—Section 8(d)(3)(G) of the Small Business Act (15 U.S.C. 637(d)(3)(G)) is amended by striking “section 3(p) of the Small Business Act” and inserting “section 31(b)”.


(E) **Contracts for Collection Services.**—Section 3718 of title 31, United States Code, is amended by striking “section 3(p) of the Small Business Act” each place it appears and inserting “section 31(b) of the Small Business Act”.

(F) **Title 41.**—Title 41, United States Code, is amended—
(i) in section 1122, by striking “section 3(p) of the Small Business Act (15 U.S.C. 632(p))” each place it appears and inserting “section 31(b) of the Small Business Act”; and

(ii) in section 1713, by striking “section 3(p) of the Small Business Act (15 U.S.C. 632(p))” and inserting “section 31(b) of the Small Business Act”.

(G) TITLE 49.—Title 49, United States Code, is amended—

(i) in section 47107, by striking “section 3(p) of the Small Business Act” each place it appears and inserting “section 31(b) of the Small Business Act”; and

(ii) in section 47113(a)(3), by striking “section 3(p) of the Small Business Act (15 U.S.C. 632(o))” and inserting “section 31(b) of the Small Business Act”.

(b) AMENDMENTS TO DEFINITIONS OF QUALIFIED CENSUS TRACT AND QUALIFIED NONMETROPOLITAN COUNTY.—

(1) IN GENERAL.—Paragraph (3) of section 31(b) of the Small Business Act (as transferred and redesignated by subsection (a)) is amended—
(A) in subparagraph (A)—

(i) by amending clause (i) to read as follows:

“(i) IN GENERAL.—The term ‘qualified census tract’ means a census tract that is covered by the definition of ‘qualified census tract’ in section 42(d)(5)(B)(ii) of the Internal Revenue Code of 1986 and that is reflected in an online tool prepared by the Administrator described under subsection (d)(7).”; and

(ii) in clause (ii), by inserting “and that is reflected in the online tool described under clause (i)” after “such section”; and

(B) in subparagraph (B)—

(i) in the matter preceding clause (i), by inserting “that is reflected in the online tool described under subparagraph (A)(i) and” after “any county”; and

(ii) in clause (ii)—

(I) in subclause (I), by striking “nonmetropolitan”; and

(II) by striking “the most recent data available” each place it appears
and inserting “a 5-year average of the available data”.

(2) **TECHNICAL AMENDMENTS.—**Paragraph (3)(B) of section 31(b) of the Small Business Act (as transferred and redesignated by subsection (a)), as amended by paragraph (1), is further amended—

(A) in clause (i), by striking “section 42(d)(5)(C)(ii) of the Internal Revenue Code of 1986” and inserting “section 42(d)(5)(B)(ii) of the Internal Revenue Code of 1986”; and


(c) **AMENDMENTS TO DEFINITIONS OF BASE CLOSURE AREA AND QUALIFIED DISASTER AREA.—**Paragraph (3) of section 31(b) of the Small Business Act (as transferred and redesignated by subsection (a)), as amended by subsection (b), is further amended—

(1) by amending clause (ii) of subparagraph (D) to read as follows:

“(ii) LIMITATION.—A census tract or nonmetropolitan county described in clause (i) shall be considered to be a base closure area for a period beginning on the date on
which the Administrator designates such census tract or nonmetropolitan county as a base closure area and ending on the date on which the base closure area ceases to be a qualified census tract under subparagraph (A) or a qualified nonmetropolitan county under subparagraph (B) in accordance with the online tool prepared by the Administrator described under subsection (d)(7), except that such period may not be less than 8 years.”; and

(2) by amending subparagraph (E) to read as follows:

“(E) QUALIFIED DISASTER AREA.—

“(i) IN GENERAL.—Subject to clause (ii), the term ‘qualified disaster area’ means any census tract or nonmetropolitan county located in an area where a major disaster has occurred or an area in which a catastrophic incident has occurred if such census tract or nonmetropolitan county ceased to be qualified under subparagraph (A) or (B), as applicable, during the period beginning 5 years before the date on which the President declared the major
disaster or the catastrophic incident occurred.

“(ii) **Duration.**—A census tract or nonmetropolitan county shall be considered to be a qualified disaster area under clause (i) only for the period of time ending on the date the area ceases to be a qualified census tract under subparagraph (A) or a qualified nonmetropolitan county under subparagraph (B), in accordance with the online tool prepared by the Administrator described under subsection (d)(7) and beginning—

“(I) in the case of a major disaster, on the date on which the President declared the major disaster for the area in which the census tract or nonmetropolitan county, as applicable, is located; or

“(II) in the case of a catastrophic incident, on the date on which the catastrophic incident occurred in the area in which the census tract or nonmetropolitan county, as applicable, is located.
“(iii) Definitions.—In this subparagraph:

“(I) Major Disaster.—The term ‘major disaster’ means a major disaster declared by the President under section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 U.S.C. 5170).

“(II) Other Definitions.—The terms ‘census tract’ and ‘nonmetropolitan county’ have the meanings given such terms in subparagraph (D)(iii).”.

(d) Amendment to Definition of Redesignated Areas.—Paragraph (3) of section 31(b) of the Small Business Act (as transferred and redesignated by subsection (a)), as amended by subsection (e), is further amended by amending subparagraph (C) to read as follows:

“(C) Redesignated Area.—The term ‘redesignated area’ means any census tract that ceases to be qualified under subparagraph (A) and any nonmetropolitan county that ceases to be qualified under subparagraph (B) for a pe-
period of 3 years after the date on which the census tract or nonmetropolitan county ceased to be so qualified.”.

(e) GOVERNOR-DESIGNATED COVERED AREA.—Section 31(b) of the Small Business Act (as transferred and redesignated by subsection (a)), is amended—

(1) in paragraph (1)—

(A) in subparagraph (E), by striking “or” at the end;

(B) in subparagraph (F), by striking the period at the end and inserting “; or”; and

(C) by inserting after subparagraph (F) the following new subparagraph:

“(G) a Governor-designated covered area.”;

(2) in paragraph (3) (as amended by subsection (e)), by adding at the end the following new subparagraph:

“(F) GOVERNOR-DESIGNATED COVERED AREA.—

“(i) IN GENERAL.—A ‘Governor-designated covered area’ means a covered area that the Administrator has designated by approving a petition described under clause (ii).
“(ii) PETITION.—For a covered area to receive a designation as a Governor-designated covered area, the Governor of the State in which the covered area is wholly contained shall include such covered area in a petition to the Administrator requesting such a designation. In reviewing a request for designation included in such a petition, the Administrator may consider—

“(I) the potential for job creation and investment in the covered area;

“(II) the demonstrated interest of small business concerns in the covered area to be designated as a Governor-designated covered area;

“(III) how State and local government officials have incorporated the covered area into an economic development strategy; and

“(IV) if the covered area was a HUBZone before becoming the subject of the petition, the impact on the covered area if the Administrator did not approve the petition.
“(iii) LIMITATIONS.—Each calendar year, a Governor may submit not more than 1 petition described under clause (ii). Such petition shall include all covered areas in a State for which the Governor seeks designation as a Governor-designated covered area, except that the total number of covered areas included in such petition may not exceed 10 percent of the total number of covered areas in the State.

“(iv) CERTIFICATION.—If the Administrator grants a petition described under clause (ii), the Governor of the Governor-designated covered area shall, not less frequently than annually, submit data to the Administrator certifying that each Governor-designated covered area continues to meet the requirements of clause (v)(I).

“(v) DEFINITIONS.—In this subparagraph:

“(I) COVERED AREA.—The term ‘covered area’ means an area in a State—

“(aa) that is located outside of an urbanized area, as deter-
mined by the Bureau of the Census;

“(bb) with a population of not more than 50,000; and

“(cc) for which the average unemployment rate is not less than 120 percent of the average unemployment rate of the United States or of the State in which the covered area is located, whichever is less, based on the most recent data available from the American Community Survey conducted by the Bureau of the Census.

“(II) GOVERNOR.—The term ‘Governor’ means the chief executive of a State.

“(III) STATE.—The term ‘State’ means each of the several States, the District of Columbia, the Commonwealth of Puerto Rico, the United States Virgin Islands, Guam, the Commonwealth of the Northern Mariana Islands, and American Samoa.”
(f) **Repeal of 5-Year Limitation on HUBZone Status of Base Closure Areas.**—Section 152(a) of title I of division K of the Consolidated Appropriations Act, 2005 (15 U.S.C. 632 note) is amended by repealing paragraph (2).

(g) **Amendment to Definition of Qualified HUBZone Small Business Concern.**—Paragraph (4) of section 31(b) of the Small Business Act (as transferred and redesignated by subsection (a)) is amended to read as follows:

“(4) **Qualified HUBZone small business concern.**—The term ‘qualified HUBZone small business concern’ means a HUBZone small business concern that has been certified by the Administrator in accordance with the procedures described in this section.”.

(h) **Amendments to HUBZone Program.**—

(1) **Clarifications to Eligibility for HUBZone Program.**—Section 31(d) of the Small Business Act, as redesignated by subsection (a), is amended to read as follows:

“(d) **Eligibility Requirements; Enforcement.**—

“(1) **Certification.**—In order to be eligible for certification by the Administrator as a qualified
HUBZone small business concern, a HUBZone small business concern shall submit documentation to the Administrator stating that—

“(A) at the time of certification and at each examination conducted pursuant to paragraph (4), the principal office of the concern is located in a HUBZone and not fewer than 35 percent of its employees reside in a HUBZone;

“(B) the concern will attempt to maintain the applicable employment percentage under subparagraph (A) during the performance of any contract awarded to such concern on the basis of a preference provided under subsection (c); and

“(C) the concern will ensure that the requirements of section 46 are satisfied with respect to any subcontract entered into by such concern pursuant to a contract awarded under this section.

“(2) VERIFICATION.—In carrying out this section, the Administrator shall establish procedures relating to—

“(A) the filing, investigation, and disposition by the Administration of any challenge to the eligibility of a HUBZone small business concern, a HUBZone small business concern shall submit documentation to the Administrator stating that—

“(A) at the time of certification and at each examination conducted pursuant to paragraph (4), the principal office of the concern is located in a HUBZone and not fewer than 35 percent of its employees reside in a HUBZone;

“(B) the concern will attempt to maintain the applicable employment percentage under subparagraph (A) during the performance of any contract awarded to such concern on the basis of a preference provided under subsection (c); and

“(C) the concern will ensure that the requirements of section 46 are satisfied with respect to any subcontract entered into by such concern pursuant to a contract awarded under this section.

“(2) VERIFICATION.—In carrying out this section, the Administrator shall establish procedures relating to—

“(A) the filing, investigation, and disposition by the Administration of any challenge to the eligibility of a HUBZone small business concern, a HUBZone small business concern shall submit documentation to the Administrator stating that—

“(A) at the time of certification and at each examination conducted pursuant to paragraph (4), the principal office of the concern is located in a HUBZone and not fewer than 35 percent of its employees reside in a HUBZone;

“(B) the concern will attempt to maintain the applicable employment percentage under subparagraph (A) during the performance of any contract awarded to such concern on the basis of a preference provided under subsection (c); and

“(C) the concern will ensure that the requirements of section 46 are satisfied with respect to any subcontract entered into by such concern pursuant to a contract awarded under this section.

“(2) VERIFICATION.—In carrying out this section, the Administrator shall establish procedures relating to—

“(A) the filing, investigation, and disposition by the Administration of any challenge to the eligibility of a HUBZone small business concern, a HUBZone small business concern shall submit documentation to the Administrator stating that—

“(A) at the time of certification and at each examination conducted pursuant to paragraph (4), the principal office of the concern is located in a HUBZone and not fewer than 35 percent of its employees reside in a HUBZone;

“(B) the concern will attempt to maintain the applicable employment percentage under subparagraph (A) during the performance of any contract awarded to such concern on the basis of a preference provided under subsection (c); and

“(C) the concern will ensure that the requirements of section 46 are satisfied with respect to any subcontract entered into by such concern pursuant to a contract awarded under this section.

“(2) VERIFICATION.—In carrying out this section, the Administrator shall establish procedures relating to—

“(A) the filing, investigation, and disposition by the Administration of any challenge to the eligibility of a HUBZone small business concern, a HUBZone small business concern shall submit documentation to the Administrator stating that—

“(A) at the time of certification and at each examination conducted pursuant to paragraph (4), the principal office of the concern is located in a HUBZone and not fewer than 35 percent of its employees reside in a HUBZone;

“(B) the concern will attempt to maintain the applicable employment percentage under subparagraph (A) during the performance of any contract awarded to such concern on the basis of a preference provided under subsection (c); and

“(C) the concern will ensure that the requirements of section 46 are satisfied with respect to any subcontract entered into by such concern pursuant to a contract awarded under this section.
concern to receive assistance under this section
(including a challenge, filed by an interested
party, relating to the veracity of documentation
provided to the Administration by such a con-
cern under paragraph (1)); and

“(B) verification by the Administrator of
the accuracy of any documentation provided by
a HUBZone small business concern under para-
graph (1).

“(3) TIMING.—The Administrator shall verify
the eligibility of a HUBZone small business concern
using the procedures described in paragraph (2)
within a reasonable time and not later than 60 days
after the date on which the Administrator receives
sufficient and complete documentation from a
HUBZone small business concern under paragraph
(1).

“(4) RECERTIFICATION.—Not later than 3
years after the date that such HUBZone small busi-
ness concern was certified as a qualified HUBZone
small business concern, and every 3 years thereafter,
the Administrator shall verify the accuracy of any
documentation provided by a HUBZone small busi-
ness concern under paragraph (1) to determine if
such HUBZone small business concern remains a qualified HUBZone small business concern.

“(5) EXAMINATIONS.—The Administrator shall conduct program examinations of qualified HUBZone small business concerns, using a risk-based analysis to select which concerns are examined, to ensure that any concern examined meets the requirements of paragraph (1).

“(6) LOSS OF CERTIFICATION.—A HUBZone small business concern that, based on the results of an examination conducted pursuant to paragraph (5) no longer meets the requirements of paragraph (1), shall have 30 days to submit documentation to the Administrator to be eligible to be certified as a qualified HUBZone small business concern. During the 30-day period, such concern may not compete for or be awarded a contract under this section. If such concern fails to meet the requirements of paragraph (1) by the last day of the 30-day period, the Administrator shall not certify such concern as a qualified HUBZone small business concern.

“(7) HUBZONE ONLINE TOOL.—

“(A) IN GENERAL.—The Administrator shall develop a publicly accessible online tool
that depicts HUBZones. Such online tool shall be updated—

“(i) with respect to HUBZones described under subparagraphs (A) and (B) of subsection (b)(3), beginning on January 1, 2020, and every 5 years thereafter;

“(ii) with respect to a HUBZone described under subsection (b)(3)(C), immediately after the area becomes, or ceases to be, a redesignated area; and

“(iii) with respect to HUBZones described under subparagraphs (D), (E), and (F) of subsection (b)(3), immediately after an area is designated as a base closure area, qualified disaster area, or Governor-designated covered area, respectively.

“(B) DATA.—The online tool required under subparagraph (A) shall clearly and conspicuously provide access to the data used by the Administrator to determine whether or not an area is a HUBZone in the year in which the online tool was prepared.

“(C) NOTIFICATION OF UPDATE.—The Administrator shall include in the online tool a notification of the date on which the online tool,
and the data used to create the online tool, will be updated.

“(8) List of Qualified HUBZone Small Business Concerns.—The Administrator shall establish and publicly maintain on the internet a list of qualified HUBZone small business concerns that shall—

“(A) to the extent practicable, include the name, address, and type of business with respect to such concern;

“(B) be updated by the Administrator not less than annually; and

“(C) be provided upon request to any Federal agency or other entity.

“(9) Provision of Data.—Upon the request of the Administrator, the Secretary of Labor, the Administrator of the Federal Emergency Management Agency, the Secretary of Housing and Urban Development, and the Secretary of the Interior (or the Assistant Secretary for Indian Affairs), shall promptly provide to the Administrator such information as the Administrator determines to be necessary to carry out this subsection.

“(10) Penalties.—In addition to the penalties described in section 16(d), any small business con-
cern that is determined by the Administrator to have misrepresented the status of that concern as a ‘qualified HUBZone small business concern’ for purposes of this section shall be subject to liability for fraud, including section 1001 of title 18, United States Code, and sections 3729 through 3733 of title 31, United States Code.”.

(2) PERFORMANCE METRICS.—Section 31 of the Small Business Act (15 U.S.C. 657a) is amended—

(A) in subsection (a)—

(i) by inserting “(to be known as the HUBZone program)” after “program”;

and

(ii) by inserting “, including promoting economic development in economically distressed areas (as defined in section 7(m)(11)),” after “assistance”;

(B) by redesignating subsection (e) (as redesignated by subsection (a)) as subsection (f);

and

(C) by inserting after subsection (d) the following new subsection:

“(e) PERFORMANCE METRICS.—
“(1) IN GENERAL.—Not later than 1 year after the date of the enactment of this subsection, the Administrator shall publish performance metrics designed to measure the success of the HUBZone program established under this section in meeting the program’s objective of promoting economic development in economically distressed areas (as defined in section 7(m)(11)).

“(2) COLLECTING AND MANAGING HUBZONE DATA.—The Administrator shall develop processes to incentivize each regional office of the Administration to collect and manage data on HUBZones within the geographic area served by such regional office.

“(3) REPORT.—Not later than 90 days after the last day of each fiscal year, the Administrator shall submit to the Committee on Small Business and Entrepreneurship of the Senate and the Committee on Small Business of the House of Representatives a report analyzing the data from the performance metrics established under this subsection and including—

“(A) the number of HUBZone small business concerns that lost certification as a qualified HUBZone small business concern because
of the results of an examination performed
under subsection (d)(5); and

“(B) the number of those concerns that
did not submit documentation to be recertified
under subsection (d)(6).”.

(3) Authorization of Appropriations.—
Section 31(f) of the Small Business Act, as redesig-
nated by paragraph (2), is amended by striking “fis-
cal years 2004 through 2006” and inserting “fiscal
years 2020 through 2025”.

(i) Current Qualified HUBZone Small Busi-
ness Concerns.—A HUBZone small business concern
that was qualified pursuant to section 3(p)(5) of the Small
Business Act on or before December 31, 2019, shall con-
tinue to be considered as a qualified HUBZone small busi-
ness concern during the period beginning on January 1,
2020, and ending on the date that the Administrator of
the Small Business Administration prepares the online
tool depicting qualified areas described under section
31(d)(7) (as added by subsection (h) of this section).

(j) Effective Date.—The provisions of this section
shall take effect—

(1) with respect to subsection (i), on the date
of the enactment of this section; and
(2) with respect to subsections (a) through (h), on January 1, 2020.

SEC. 1702. UNIFORMITY IN PROCUREMENT TERMINOLOGY.

(a) In General.—Section 15(j)(1) of the Small Business Act (15 U.S.C. 644(j)(1)) is amended by striking “greater than $2,500 but not greater than $100,000” and inserting “greater than the micro-purchase threshold, but not greater than the simplified acquisition threshold”.

(b) Amendment to Contracting Definitions.—Section 3(m) of the Small Business Act (15 U.S.C. 632(m)) is amended to read as follows:

“(m) Definitions Relating to Contracting.—In this Act:

“(1) Prime Contract.—The term ‘prime contract’ has the meaning given such term in section 8701(4) of title 41, United States Code.

“(2) Prime Contractor.—The term ‘prime contractor’ has the meaning given such term in section 8701(5) of title 41, United States Code.

“(3) Simplified Acquisition Threshold.—The term ‘simplified acquisition threshold’ has the meaning given such term in section 134 of title 41, United States Code.

“(4) Micro-purchase Threshold.—The term ‘micro-purchase threshold’ has the meaning
given such term in section 1902 of title 41, United States Code.

“(5) TOTAL PURCHASES AND CONTRACTS FOR PROPERTY AND SERVICES.—The term ‘total purchases and contracts for property and services’ shall mean total number and total dollar amount of contracts and orders for property and services.”.

(c) CONFORMING AMENDMENT.—Section 15(a)(1)(C) of the Small Business Act (15 U.S.C. 644(a)(1)(C)) is amended by striking “total purchase and contracts for goods and services” and inserting “total purchases and contracts for goods and services”.

SEC. 1703. IMPROVING REPORTING ON SMALL BUSINESS GOALS.

(a) IN GENERAL.—Section 15(h)(2)(E) of the Small Business Act (15 U.S.C. 644(h)(2)(E)) is amended—

(1) in clause (i)—

(A) in subclause (III), by striking “and” at the end; and

(B) by adding at the end the following new subclauses:

“(V) that were purchased by another entity after the initial contract was awarded and as a result of the purchase, would no longer be deemed
to be small business concerns for purposes of the initial contract; and

“(VI) that were awarded using a procurement method that restricted competition to small business concerns owned and controlled by service-disabled veterans, qualified HUBZone small business concerns, small business concerns owned and controlled by socially and economically disadvantaged individuals, small business concerns owned and controlled by women, or a subset of any such concerns;”;

(2) in clause (ii)—

(A) in subclause (IV), by striking “and” at the end; and

(B) by adding at the end the following new subclauses:

“(VI) that were purchased by another entity after the initial contract was awarded and as a result of the purchase, would no longer be deemed to be small business concerns owned and controlled by service-disabled vet-
erans for purposes of the initial contract; and

“(VII) that were awarded using a procurement method that restricted competition to qualified HUBZone small business concerns, small business concerns owned and controlled by socially and economically disadvantaged individuals, small business concerns owned and controlled by women, or a subset of any such concerns;”;

(3) in clause (iii)—

(A) in subclause (V), by striking “and” at the end; and

(B) by adding at the end the following new subclauses:

“(VII) that were purchased by another entity after the initial contract was awarded and as a result of the purchase, would no longer be deemed to be qualified HUBZone small business concerns for purposes of the initial contract; and

“(VIII) that were awarded using a procurement method that restricted
competition to small business concerns
owned and controlled by service-disabled veterans, small business concerns owned and controlled by socially and economically disadvantaged individuals, small business concerns owned and controlled by women, or a subset of any such concerns;

(4) in clause (iv)—

(A) in subclause (V), by striking “and” at the end; and

(B) by adding at the end the following new subclauses:

“(VII) that were purchased by another entity after the initial contract was awarded and as a result of the purchase, would no longer be deemed to be small business concerns owned and controlled by socially and economically disadvantaged individuals for purposes of the initial contract; and

“(VIII) that were awarded using a procurement method that restricted competition to small business concerns
owned and controlled by service-disabled veterans, qualified HUBZone small business concerns, small business concerns owned and controlled by women, or a subset of any such concerns;”;

(5) in clause (v)—

(A) in subclause (IV), by striking “and” at the end;

(B) in subclause (V), by inserting “and” at the end; and

(C) by adding at the end the following new subclause:

“(VI) that were purchased by another entity after the initial contract was awarded and as a result of the purchase, would no longer be deemed to be small business concerns owned by an Indian tribe other than an Alaska Native Corporation for purposes of the initial contract;”;

(6) in clause (vi)—

(A) in subclause (IV), by striking “and” at the end;
(B) in subclause (V), by inserting “and” at the end; and

(C) by adding at the end the following new subclause:

“(VI) that were purchased by another entity after the initial contract was awarded and as a result of the purchase, would no longer be deemed to be small business concerns owned by a Native Hawaiian Organization for purposes of the initial contract;”;

(7) in clause (vii)—

(A) in subclause (IV), by striking “and” at the end; and

(B) by adding at the end the following new subclause:

“(VI) that were purchased by another entity after the initial contract was awarded and as a result of the purchase, would no longer be deemed to be small business concerns owned by an Alaska Native Corporation for purposes of the initial contract; and”;

and

(8) in clause (viii)—
(A) in subclause (VII), by striking “and” at the end;

(B) in subclause (VIII), by striking “and” at the end; and

(C) by adding at the end the following new subclauses:

“(IX) that were purchased by another entity after the initial contract was awarded and as a result of the purchase, would no longer be deemed to be small business concerns owned and controlled by women for purposes of the initial contract; and

“(X) that were awarded using a procurement method that restricted competition to small business concerns owned and controlled by service-disabled veterans, qualified HUBZone small business concerns, small business concerns owned and controlled by socially and economically disadvantaged individuals, or a subset of any such concerns; and”.

(b) EFFECTIVE DATE.—The Administrator of the Small Business Administration shall be required to report
on the information required by clauses (i)(V), (ii)(VI), (iii)(VII), (iv)(VII), (v)(VI), (vi)(VI), (vii)(VI), and (viii)(IX) of section 15(h)(2)(E) of the Small Business Act (15 U.S.C. 644(h)(2)(E)) beginning on the date that such information is available in the Federal Procurement Data System, the System for Award Management, or any new or successor system.

SEC. 1704. RESPONSIBILITIES OF BUSINESS OPPORTUNITY SPECIALISTS.

Section 4(g) of the Small Business Act (15 U.S.C. 633(g)) is amended to read as follows:

“(g) BUSINESS OPPORTUNITY SPECIALISTS.—

“(1) DUTIES.—The exclusive duties of a Business Opportunity Specialist employed by the Administrator and reporting to the senior official appointed by the Administrator with responsibilities under sections 8, 15, 31, and 36 (or the designee of such official) shall be to implement sections 7, 8, and 45 and to complete other duties related to contracting programs under this Act. Such duties shall include—

“(A) with respect to small business concerns eligible to receive contracts and sub-contracts pursuant to section 8(a)—

“(i) providing guidance, counseling, and referrals for assistance with technical,
management, financial, or other matters that will improve the competitive viability of such concerns;

“(ii) identifying causes of success or failure of such concerns;

“(iii) providing comprehensive assessments of such concerns, including identifying the strengths and weaknesses of such concerns;

“(iv) monitoring and documenting compliance with the requirements of sections 7 and 8 and any regulations implementing those sections;

“(v) explaining the requirements of sections 7, 8, 15, 31, 36, and 45; and

“(vi) advising on compliance with contracting regulations (including the Federal Acquisition Regulation) after award of such a contract or subcontract;

“(B) reviewing and monitoring compliance with mentor-protege agreements under section 45;

“(C) representing the interests of the Administrator and small business concerns in the award, modification, and administration of con-
tracts and subcontracts awarded pursuant to section 8(a); and

“(D) reporting fraud or abuse under section 7, 8, 15, 31, 36, or 45 or any regulations implementing such sections.

“(2) Certification requirements.—

“(A) In general.—Consistent with the requirements of subparagraph (B), a Business Opportunity Specialist described under section 7(j)(10)(D) shall have a Level I Federal Acquisition Certification in Contracting (or any successor certification) or the equivalent Department of Defense certification.

“(B) Delay of certification requirement.—The certification described in subparagraph (A) is not required—

“(i) for any person serving as a Business Opportunity Specialist on the date of the enactment of this subsection, until the date that is one calendar year after the date such person was appointed as a Business Opportunity Specialist; or

“(3) JOB POSTING REQUIREMENTS.—The duties and certification requirements described in this subsection shall be included in any initial job posting for the position of a Business Opportunity Specialist.”.

SEC. 1705. RESPONSIBILITIES OF COMMERCIAL MARKET REPRESENTATIVES.

Section 4(h) of the Small Business Act (15 U.S.C. 633(h)) is amended to read as follows:

“(h) COMMERCIAL MARKET REPRESENTATIVES.—

“(1) DUTIES.—The principal duties of a commercial market representative employed by the Administrator and reporting to the senior official appointed by the Administrator with responsibilities under sections 8, 15, 31, and 36 (or the designee of the official) shall be to advance the policies established in section 8(d)(1) relating to subcontracting, including—

“(A) helping prime contractors to find small business concerns that are capable of performing subcontracts;

“(B) for contractors awarded contracts containing the clause described in section 8(d)(3), providing—
“(i) counseling on the responsibility of the contractor to maximize subcontracting opportunities for small business concerns;

“(ii) instruction on methods and tools to identify potential subcontractors that are small business concerns; and

“(iii) assistance to increase awards to subcontractors that are small business concerns through visits, training, and reviews of past performance;

“(C) providing counseling on how a small business concern may promote the capacity of the small business concern to contractors awarded contracts containing the clause described in section 8(d)(3); and

“(D) conducting periodic reviews of contractors awarded contracts containing the clause described in section 8(d)(3) to assess compliance with subcontracting plans required under section 8(d)(6).

“(2) CERTIFICATION REQUIREMENTS.—

“(A) IN GENERAL.—Consistent with the requirements of subparagraph (B), a commercial market representative referred to in section 15(q)(3) shall have a Level I Federal Acquisi-
tion Certification in Contracting (or any successor certification) or the equivalent Department of Defense certification.

“(B) Delay of Certification Requirement.—The certification described in subparagraph (A) is not required—

“(i) for any person serving as a commercial market representative on the date of enactment of this subsection, until the date that is one calendar year after the date on which the person was appointed as a commercial market representative; or

“(ii) for any person serving as a commercial market representative on or before November 25, 2015, until November 25, 2020.

“(3) Job Posting Requirements.—The duties and certification requirements described in this subsection shall be included in any initial job posting for the position of a commercial market representative.”.
SEC. 1706. MODIFICATION OF PAST PERFORMANCE PILOT PROGRAM TO INCLUDE CONSIDERATION OF PAST PERFORMANCE WITH ALLIES OF THE UNITED STATES.

(a) In General.—Section 8(d)(17) of the Small Business Act (15 U.S.C. 637(d)(17)) is amended—

(1) in subparagraph (G)—

(A) in clause (i), by inserting “and, set forth separately, the number of small business exporters,” after “small business concerns”; and

(B) in clause (ii), by inserting “, set forth separately by applications from small business concerns and from small business exporters,” after “applications”; and

(2) by amending subparagraph (H) to read as follows:

“(H) DEFINITIONS.—In this paragraph—

“(i) the term ‘appropriate official’ means—

“(I) a commercial market representative;

“(II) another individual designated by the senior official appointed by the Administrator with responsibilities under sections 8, 15, 31, and 36; or
“(III) the Office of Small and Disadvantaged Business Utilization of a Federal agency, if the head of the Federal agency and the Administrator agree;

“(ii) the term ‘defense item’ has the meaning given that term in section 38(j)(4)(A) of the Arms Export Control Act (22 U.S.C. 2778(j)(4)(A));

“(iii) the term ‘major non-NATO ally’ means a country designated as a major non-NATO ally under section 517 of the Foreign Assistance Act of 1961 (22 U.S.C. 2321k);

“(iv) the term ‘past performance’ includes performance of a contract for a sale of defense items (under section 38 of the Arms Export Control Act (22 U.S.C. 2778)) to the government of a member nation of North Atlantic Treaty Organization, the government of a major non-NATO ally, or the government of a country with which the United States has a defense cooperation agreement (as certified by the Secretary of State); and

“(v) the term ‘small business exporter’ means a small business concern that exports defense items under section 38 of the Arms Ex-
port Control Act (22 U.S.C. 2778) to the govern-
ment of a member nation of the North At-
lantic Treaty Organization, the government of a
major non-NATO ally, or the government of a
country with which the United States has a de-
fense cooperation agreement (as certified by the
Secretary of State).”.

(b) Technical Amendment.—Section 8(d)(17)(A)
of the Small Business Act (15 U.S.C. 637(d)(17)(A)) is
amended by striking “paragraph 13(A)” and inserting
“paragraph (13)(A)”.

SEC. 1707. NOTICE OF COST-FREE FEDERAL PROCUREMENT
TECHNICAL ASSISTANCE IN CONNECTION
WITH REGISTRATION OF SMALL BUSINESS
CONCERNS ON PROCUREMENT WEBSITES OF
THE DEPARTMENT OF DEFENSE.

(a) In General.—The Secretary of Defense shall es-
establish procedures to ensure that any notice or direct com-
munication regarding the registration of a small business
concern on a website maintained by the Department of
Defense relating to contracting opportunities contains in-
formation about cost-free Federal procurement technical
assistance services that are available through a procure-
ment technical assistance program established under chap-
ter 142 of title 10, United States Code.
1352

(b) SMALL BUSINESS CONCERN DEFINED.—The term “small business concern” has the meaning given such term under section 3 of the Small Business Act (15 U.S.C. 632).

SEC. 1708. INCLUSION OF SBIR AND STTR PROGRAMS IN TECHNICAL ASSISTANCE.

Subsection (c) of section 2418 of title 10, United States Code, is amended—

(1) by striking “issued under” and inserting the following: “issued—

“(1) under”;

(2) by striking “and on” and inserting “, and on”;

(3) by striking “requirements.” and inserting “requirements; and”; and

(4) by adding at the end the following new paragraph:

“(2) under section 9 of the Small Business Act (15 U.S.C. 638), and on compliance with those requirements.”.
SEC. 1709. REQUIREMENTS RELATING TO COMPETITIVE PROCEDURES AND JUSTIFICATION FOR AWARDS UNDER THE SBIR AND STTR PROGRAMS.

(a) In General.—Section 9(r)(4) of the Small Business Act (15 U.S.C. 638(r)(4)) is amended by striking “shall issue Phase III awards” and inserting the following: “shall—

“(A) consider an award under the SBIR program or the STTR program to satisfy the requirements under section 2304 of title 10, United States Code, and any other applicable competition requirements; and

“(B) issue, without further justification, Phase III awards”.

(b) Conforming Amendments.—

(1) Small Business Act.—Section 9(r) of the Small Business Act (15 U.S.C. 638(r)) is amended—

(A) in the subsection heading, by inserting “, COMPETITIVE PROCEDURES, AND JUSTIFICATION FOR AWARDS” after “AGREEMENTS”; and

(B) by amending the heading for paragraph (4) to read as follows: “COMPETITIVE PROCEDURES AND JUSTIFICATION FOR AWARDS”.
(2) TITLE 10.—Section 2304(f) of title 10, United States Code, is amended—

(A) in paragraph (1), by inserting “and paragraph (6)” after “paragraph (2)”;

(B) by adding at the end the following new paragraph:

“(6) The justification and approval required by paragraph (1) is not required in the case of a Phase III award made pursuant to section 9(r)(4) of the Small Business Act (15 U.S.C. 638(r)(4)).”.

SEC. 1710. PILOT PROGRAM FOR STREAMLINED TECHNOLOGY TRANSITION FROM THE SBIR AND STTR PROGRAMS OF THE DEPARTMENT OF DEFENSE.

(a) DEFINITIONS.—In this section—

(1) the terms “commercialization”, “Federal agency”, “Phase I”, “Phase II”, “Phase III”, “SBIR”, and “STTR” have the meanings given those terms in section 9(e) of the Small Business Act (15 U.S.C. 638(e));

(2) the term “covered small business concern” means—

(A) a small business concern that completed a Phase II award under the SBIR or STTR program of the Department; or
(B) a small business concern that—

(i) completed a Phase I award under
the SBIR or STTR program of the De-
partment; and

(ii) a contracting officer for the De-
partment recommended for inclusion in a
multiple award contract described in sub-
section (b);

(1) the term “Department” means the Depart-
ment of Defense;

(2) the term “military department” has the
meaning given the term in section 101 of title 10,
United States Code;

(3) the term “multiple award contract” has the
meaning given the term in section 3302(a) of title
41, United States Code;

(4) the term “pilot program” means the pilot
program established under subsection (b); and

(5) the term “small business concern” has the
meaning given the term in section 3 of the Small

(b) ESTABLISHMENT.—Not later than 180 days after
the date of enactment of this Act, the Secretary of Defense
shall establish a pilot program under which the Depart-
ment shall award multiple award contracts to covered
(c) **Waiver of Competition in Contracting Act Requirements.**—The Secretary of Defense may establish procedures to waive provisions of section 2304 of title 10, United States Code, for purposes of carrying out the pilot program.

(d) **Use of Contract Vehicle.**—A multiple award contract described in subsection (b) may be used by any military department or component of the Department.

(e) **Termination.**—The pilot program established under this section shall terminate on September 30, 2023.

(f) **Rule of Construction.**—Nothing in this section shall be construed to prevent the commercialization of products and services produced by a small business concern under an SBIR or STTR program of a Federal agency through—

(1) direct awards for Phase III of an SBIR or STTR program; or

(2) any other contract vehicle.
SEC. 1711. PILOT PROGRAM ON STRENGTHENING MANUFACTURING IN THE DEFENSE INDUSTRIAL BASE.

(a) Pilot Program Required.—The Secretary of Defense shall carry out a pilot program to assess the feasibility and advisability of increasing the capability of the defense industrial base to support—

(1) production needs to meet military requirements; and

(2) manufacturing and production of emerging defense and commercial technologies.

(b) Authorities.—The Secretary shall carry out the pilot program under the following:

(1) Chapters 137 and 139 and sections 2371, 2371b, and 2373 of title 10, United States Code.

(2) Such other legal authorities as the Secretary considers applicable to carrying out the pilot program.

(c) Activities.—Activities under the pilot program may include the following:

(1) Use of contracts, grants, or other transaction authorities to support manufacturing and production capabilities in small- and medium-sized manufacturers.

(2) Purchases of goods or equipment for testing and certification purposes.
(3) Incentives, including purchase commitments and cost sharing with nongovernmental sources, for the private sector to develop manufacturing and production capabilities in areas of national security interest.

(4) Issuing loans or providing loan guarantees to small- and medium-sized manufacturers to support manufacturing and production capabilities in areas of national security interest.

(5) Giving awards to third party entities to support investments in small- and medium-sized manufacturers working in areas of national security interest, including debt and equity investments that would benefit missions of the Department of Defense.

(6) Such other activities as the Secretary determines necessary.

(d) TERMINATION.—The pilot program shall terminate on the date that is four years after the date of the enactment of this Act.

(e) BRIEFING REQUIRED.—No later than January 31, 2022, the Secretary of Defense shall provide a briefing to the Committees on Armed Services in the Senate and the House of Representatives on the results of the pilot program.
SEC. 1712. REVIEW REGARDING APPLICABILITY OF FOREIGN OWNERSHIP, CONTROL, OR INFLUENCE REQUIREMENTS OF NATIONAL INDUSTRIAL SECURITY PROGRAM TO NATIONAL TECHNOLOGY AND INDUSTRIAL BASE COMPANIES.

(a) REVIEW.—The Secretary of Defense, with the concurrence of the Secretary of State and after consultation with the Director of the Information Security Oversight Office, shall review whether organizations whose ownership or majority control is based in a country that is part of the national technology and industrial base should be exempted from one or more of the foreign ownership, control, or influence requirements of the National Industrial Security Program.

(b) AUTHORITY.—The Secretary of Defense may establish a program to exempt organizations described under subsection (a) from one or more of the foreign ownership, control, or influence requirements of the National Industrial Security Program. Any such program shall comply with the requirements of this subsection.

(1) IN GENERAL.—Under a program established under this subsection, the Secretary, with the concurrence of the Secretary of State and after consultation with the Director of the Information Security Oversight Office, shall maintain a list of organizations owned or controlled by a country that is part
of the national technology and industrial base that
are eligible for exemption from the requirements de-
scribed under such subsection.

(2) Determinations of Eligibility.—Under
a program established under this subsection, the
Secretary of Defense, with the concurrence of the
Secretary of State and after consultation with the
Director of the Information Security Oversight Of-
lice, may (on a case-by-case basis and for the pur-
pose of supporting specific needs of the Department
of Defense) designate an organization whose owner-
ship or majority control is based in a country that
is part of the national technology and industrial base
as exempt from the requirements described under
subsection (a) upon a determination that such ex-
emption—

(A) is beneficial to improving collaboration
within countries that are a part of the national
technology and industrial base;

(B) is in the national security interest of
the United States; and

(C) will not result in a greater risk of the
disclosure of classified or sensitive information
consistent with the National Industrial Security
Program.
(3) **EXERCISE OF AUTHORITY.**—The authority under this subsection may be exercised beginning on the date that is the later of—

(A) the date that is 60 days after the Secretary of Defense, in consultation with the Secretary of State and the Director of the Information Security Oversight Office, submits to the appropriate congressional committees a report summarizing the review conducted under subsection (a); and

(B) the date that is 30 days after the Secretary of Defense, in consultation with the Secretary of State and the Director of the Information Security Oversight Office, submits to the appropriate congressional committees a written notification of a determination made under paragraph (2), including a discussion of the issues related to the foreign ownership or control of the organization that were considered as part of the determination.

(c) **DEFINITIONS.**—In this section:

(1) **APPROPRIATE CONGRESSIONAL COMMITTEES.**—The term “appropriate congressional committees” has the meaning given the term in section 301 of title 10, United States Code.
(2) NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.—the term “national technology and industrial base” has the meaning given the term in section 2500 of title 10, United States Code.

SEC. 1713. REPORT ON SOURCING OF TUNGSTEN AND TUNGSTEN POWDERS FROM DOMESTIC PRODUCERS.

(a) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the procurement of tungsten and tungsten powders for military applications.

(b) ELEMENTS.—The report under subsection (a) shall include the following:

(1) An overview of the quantities and countries of origin of tungsten and tungsten powders that are procured by the Department of Defense or prime contractors of the Department for military applications.

(2) An evaluation of the effects on the Department if the Secretary of Defense prioritizes the procurement of tungsten and tungsten powders from only domestic producers.
(3) An evaluation of the effects on the Department if tungsten and tungsten powders are required to be procured from only domestic producers.

(4) An estimate of any costs associated with domestic sourcing requirements related to tungsten and tungsten powders.

SEC. 1714. REPORT ON UTILIZATION OF SMALL BUSINESS CONCERNS FOR FEDERAL CONTRACTS.

(a) FINDINGS.—Congress finds that—

(1) since the passage of the Budget Control Act of 2011 (Public Law 112–25; 125 Stat. 240), many Federal agencies have started favoring longer-term Federal contracts, including multiple award contracts, over direct individual awards;

(2) these multiple award contracts have grown to more than one-fifth of Federal contract spending, with the fastest growing multiple award contracts each surpassing $100,000,000 in obligations for the first time between 2013 and 2014;

(3) in fiscal year 2017, 17 of the 20 largest Federal contract opportunities are multiple award contracts;

(4) while Federal agencies may choose to use any or all of the various socioeconomic groups on a multiple award contract, the Small Business Admin-
administration only examines the performance of socio-economic groups through the small business procurement scorecard and does not examine potential opportunities for those groups; and

(5) Congress and the Department of Justice have been clear that no individual socioeconomic group shall be given preference over another.

(b) DEFINITIONS.—In this section—

(1) the term “Administrator” means the Administrator of the Small Business Administration;

(2) the term “covered small business concerns” means—

(A) qualified HUBZone small business concerns;

(B) small business concerns owned and controlled by service-disabled veterans;

(C) small business concerns owned and controlled by women; and

(D) small business concerns owned and controlled by socially and economically disadvantaged individuals, as defined under section 8(d)(3)(C) of the Small Business Act (15 U.S.C. 637(d)(3)(C)); and

(3) the terms “qualified HUBZone small business concern”, “small business concern”, “small
business concern owned and controlled by service-
disabled veterans”, and “small business concern
owned and controlled by women” have the meanings
given those terms in section 3 of the Small Business

(c) REPORT.—

(1) IN GENERAL.—Not later than 180 days
after the date of enactment of this Act, the Adminis-
trator shall submit to the Committee on Small Busi-
ness and Entrepreneurship of the Senate and the
Committee on Small Business of the House of Rep-
resentatives a report that includes—

(A) a determination as to whether small
business concerns and each category of covered
small business concern are being utilized in a
significant portion of the multiple award con-
tracts awarded by the Federal Government, in-
cluding—

(i) whether awards are reserved for
concerns in 1 or more of those categories;
and

(ii) whether concerns in each such
category are given the opportunity to per-
form on multiple award contracts;
(B) a determination as to whether performance requirements for multiple award contracts, as in effect on the day before the date of enactment of this Act, are feasible and appropriate for small business concerns and covered small business concerns; and

(C) any additional information as the Administrator may determine necessary.

(2) REQUIREMENT.—In making the determinations required under paragraph (1), the Administrator shall use information—

(A) from multiple award contracts with varied assigned North American Industry Classification System codes; and

(B) about the awards of multiple award contracts from not less than eight Federal agencies.

**TITLE XVIII—GOVERNMENT PURCHASE AND TRAVEL CARDS**

Sec. 1801. Short title.
Sec. 1802. Definitions.
Sec. 1803. Expanded use of data analytics.
Sec. 1804. Guidance on improving information sharing to curb improper payments.
Sec. 1805. Interagency charge card data management group.
Sec. 1806. Reporting requirements.
SEC. 1801. SHORT TITLE.

This title may be cited as the “Saving Federal Dollars Through Better Use of Government Purchase and Travel Cards Act of 2017”.

SEC. 1802. DEFINITIONS.

In this title:

(1) IMPROPER PAYMENT.—The term “improper payment” has the meaning given the term in section 2 of the Improper Payments Information Act of 2002 (31 U.S.C. 3321 note).

(2) QUESTIONABLE TRANSACTION.—The term “questionable transaction” means a charge card transaction that from initial card data appears to be high risk and may therefore be improper due to non-compliance with applicable law, regulation or policy.

(3) STRATEGIC SOURCING.—The term “strategic sourcing” means analyzing and modifying a Federal agency’s spending patterns to better leverage its purchasing power, reduce costs, and improve overall performance.

SEC. 1803. EXPANDED USE OF DATA ANALYTICS.

(a) STRATEGY.—Not later than 180 days after the date of the enactment of this Act, the Director of the Office of Management and Budget, in consultation with the Administrator for General Services, shall develop a strategy to expand the use of data analytics in managing gov-
ernment purchase and travel charge card programs. These
analytics may employ existing General Services Adminis-
tration capabilities, and may be in conjunction with agen-
cies' capabilities, for the purpose of—

(1) identifying examples or patterns of ques-
tionable transactions and developing enhanced tools
and methods for agency use in—

(A) identifying questionable purchase and
travel card transactions; and

(B) recovering improper payments made
with purchase and travel cards;

(2) identifying potential opportunities for agen-
cies to further leverage administrative process
streamlining and cost reduction from purchase and
travel card use, including additional agency opportu-
nities for card-based strategic sourcing;

(3) developing a set of purchase and travel card
metrics and benchmarks for high-risk activities,
which shall assist agencies in identifying potential
emphasis areas for their purchase and travel card
management and oversight activities, including those
required by the Government Charge Card Abuse
Prevention Act of 2012 (Public Law 112–194); and

(4) developing a plan, which may be based on
existing capabilities, to create a library of analytics
tools and data sources for use by Federal agencies (including inspectors general of those agencies).

SEC. 1804. GUIDANCE ON IMPROVING INFORMATION SHARING TO CURB IMPROPER PAYMENTS.

(a) In General.—Not later than 180 days after the date of the enactment of this Act, the Director of the Office of Management and Budget, in consultation with the Administrator of General Services and the interagency charge card data management group established under section 1805, shall issue guidance on improving information sharing by government agencies for the purposes of section 1803(a)(1).

(b) Elements.—The guidance issued under subsection (a) shall—

(1) require relevant officials at Federal agencies to identify high-risk activities and communicate that information to the appropriate management levels within the agencies;

(2) require that appropriate officials at Federal agencies review the reports issued by charge card-issuing banks on questionable transaction activity (such as purchase and travel card pre-suspension and suspension reports, delinquency reports, and exception reports), including transactions that occur
with high-risk activities, and suspicious timing or 
amounts of cash withdrawals or advances;

(3) provide for the appropriate sharing of infor-
mination related to potential questionable trans-
actions, fraud schemes, and high-risk activities with 
the General Services Administration and the appro-
priate officials in Federal agencies;

(4) consider the recommendations made by In-
spectors General or the best practices Inspectors 
General have identified; and

(5) include other requirements determined ap-
propriate by the Director for the purposes of car-
rying out this title.

SEC. 1805. INTERAGENCY CHARGE CARD DATA MANAGE-
MENT GROUP.

(a) ESTABLISHMENT.—The Administrator of General 
Services and the Director of the Office of Management 
and Budget shall establish a purchase and travel charge 
card data management group to develop and share best 
practices for the purposes described in section 1803(a).

(b) ELEMENTS.—The best practices developed under 
subsection (a) shall—

(1) cover rules, edits, and task order or con-
tract modifications related to charge card-issuing 
banks;
(2) include the review of accounts payable information and purchase and travel card transaction data of agencies for the purpose of identifying potential strategic sourcing and other additional opportunities (such as recurring payments, utility payments, and grant payments) for which the charge cards or related payment products could be used as a payment method; and

(3) include other best practices as determined by the Administrator and Director.

c) Membership.—The purchase and travel charge card data management group shall meet regularly as determined by the co-chairs, for a duration of three years, and include those agencies as described in section 2 of the Government Charge Card Abuse Prevention Act of 2012 (Public Law 112–194) and others identified by the Administrator and Director.

SEC. 1806. REPORTING REQUIREMENTS.

(a) General Services Administration Report.—Not later than one year after the date of the enactment of this Act, the Administrator for General Services shall submit to the Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Oversight and Government Reform of the House of Representatives a report on the implementation of this
(b) AGENCY REPORTS AND CONSOLIDATED REPORT TO CONGRESS.—Not later than one year after the date of the enactment of this Act, the head of each Federal agency described in section 2 of the Government Charge Card Abuse Prevention Act of 2012 (Public Law 112–194) shall submit a report to the Director of the Office of Management and Budget on that agency’s activities to implement this title.

(e) OFFICE OF MANAGEMENT AND BUDGET REPORT TO CONGRESS.—The Director of the Office of Management and Budget shall submit to the Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Oversight and Government Reform of the House of Representatives a consolidated report of agency activities to implement this title, which may be included as part of another report submitted by the Director to the Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Oversight and Government Reform of the House of Representatives.
(d) Report on Additional Savings Opportunities.—Not later than one year after the date of the enactment of this Act, the Administrator of General Services shall submit to the Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Oversight and Government Reform of the House of Representatives a report identifying and exploring further potential savings opportunities for government agencies under the Federal charge card programs. This report may be combined with the report required under subsection (a).

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

SEC. 2001. SHORT TITLE.

This division may be cited as the “Military Construction Authorization Act for Fiscal Year 2018”.

SEC. 2002. EXPIRATION OF AUTHORIZATIONS AND AMOUNTS REQUIRED TO BE SPECIFIED BY LAW.

(a) Expiration of Authorizations After Five Years.—Except as provided in subsection (b), all authorizations contained in titles XXI through XXVII for military construction projects, land acquisition, family housing projects and facilities, and contributions to the North Atlantic Treaty Organization Security Investment Program
(and authorizations of appropriations therefor) shall expire on the later of—

(1) October 1, 2022; or

(2) the date of the enactment of an Act authorizing funds for military construction for fiscal year 2023.

(b) Exception.—Subsection (a) shall not apply to authorizations for military construction projects, land acquisition, family housing projects and facilities, and contributions to the North Atlantic Treaty Organization Security Investment Program (and authorizations of appropriations therefor), for which appropriated funds have been obligated before the later of—

(1) October 1, 2022; or

(2) the date of the enactment of an Act authorizing funds for fiscal year 2023 for military construction projects, land acquisition, family housing projects and facilities, or contributions to the North Atlantic Treaty Organization Security Investment Program.

(c) Extension of Authorizations of Fiscal Year 2016 and Fiscal Year 2017 Projects.—

(1) Fiscal Year 2016 Projects.—Section 2002 of the Military Construction Authorization Act
for Fiscal Year 2016 (division B of Public Law 114–92; 129 Stat. 1145) is amended—

(A) in subsection (a)—

(i) in paragraph (1), by striking “2018” and inserting “2020”; and

(ii) in paragraph (2), by striking “2019” and inserting “2021”; and

(B) in subsection (b)—

(i) in paragraph (1), by striking “2018” and inserting “2020”; and

(ii) in paragraph (2), by striking “2019” and inserting “2021”.


(A) in subsection (a)—

(i) in paragraph (1), by striking “2019” and inserting “2021”; and

(ii) in paragraph (2), by striking “2020” and inserting “2022”; and

(B) in subsection (b)—

(i) in paragraph (1), by striking “2019” and inserting “2021”; and
(ii) in paragraph (2), by striking “2020” and inserting “2022”.

SEC. 2003. EFFECTIVE DATE.

Titles XXI through XXVII and title XXIX shall take effect on the later of—

(1) October 1, 2017; or

(2) the date of the enactment of this Act.

TITLE XXI—ARMY MILITARY CONSTRUCTION

Sec. 2101. Authorized Army construction and land acquisition projects.
Sec. 2102. Family housing.
Sec. 2103. Improvements to military family housing units.
Sec. 2104. Authorization of appropriations, Army.
Sec. 2105. Modification of authority to carry out certain fiscal year 2014 project.
Sec. 2106. Modification of authority to carry out certain fiscal year 2015 project.
Sec. 2107. Extension of authorization of certain fiscal year 2014 project.
Sec. 2108. Extension of authorizations of certain fiscal year 2015 projects.

SEC. 2101. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2104(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the installations or locations in-
side the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>Fort Rucker</td>
<td>$38,000,000</td>
</tr>
<tr>
<td>Arizona</td>
<td>Davis-Monthan Air Force Base</td>
<td>$22,000,000</td>
</tr>
<tr>
<td>California</td>
<td>Fort Irwin</td>
<td>$3,000,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Fort Carson</td>
<td>$29,300,000</td>
</tr>
<tr>
<td>Florida</td>
<td>Eglin Air Force Base</td>
<td>$18,000,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Fort Benning</td>
<td>$38,800,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Pohakuloa Training Area</td>
<td>$25,000,000</td>
</tr>
<tr>
<td>Indiana</td>
<td>Crane Army Ammunition Plant</td>
<td>$24,000,000</td>
</tr>
<tr>
<td>New York</td>
<td>U.S. Military Academy</td>
<td>$22,000,000</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Fort Jackson</td>
<td>$60,000,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Camp Bullis</td>
<td>$13,600,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Joint Base Langley-Eustis</td>
<td>$34,000,000</td>
</tr>
<tr>
<td>Washington</td>
<td>Joint Base Lewis-McChord</td>
<td>$66,000,000</td>
</tr>
<tr>
<td></td>
<td>Yakima</td>
<td>$19,500,000</td>
</tr>
</tbody>
</table>

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2104(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out the military construction project for the installations or locations outside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>Stuttgart</td>
<td>$40,000,000</td>
</tr>
<tr>
<td></td>
<td>Weisbaden</td>
<td>$43,000,000</td>
</tr>
<tr>
<td>Korea</td>
<td>Kunsan Air Base</td>
<td>$53,000,000</td>
</tr>
</tbody>
</table>
SEC. 2102. FAMILY HOUSING.

(a) Construction and Acquisition.—Using amounts appropriated pursuant to the authorization of appropriations in section 2104(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may construct or acquire family housing units (including land acquisition and supporting facilities) at the installations or locations, in the number of units, and in the amounts set forth in the following table:

<table>
<thead>
<tr>
<th>State/Country</th>
<th>Installation</th>
<th>Units</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Georgia</td>
<td>Fort Gordon</td>
<td>Family Housing New Construction</td>
<td>$6,100,000</td>
</tr>
<tr>
<td>Germany</td>
<td>South Camp Vilseck</td>
<td>Family Housing New Construction</td>
<td>$22,445,000</td>
</tr>
<tr>
<td>Kwajalein</td>
<td>Kwajalein Atoll</td>
<td>Family Housing Replacement Construction</td>
<td>$31,000,000</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Natick</td>
<td>Family Housing Replacement Construction</td>
<td>$21,000,000</td>
</tr>
</tbody>
</table>

(b) Planning and Design.—Using amounts appropriated pursuant to the authorization of appropriations in section 2104(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $33,559,000.
SEC. 2103. IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS.

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2104(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may improve existing military family housing units in an amount not to exceed $34,156,000.

SEC. 2104. AUTHORIZATION OF APPROPRIATIONS, ARMY.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2017, for military construction, land acquisition, and military family housing functions of the Department of the Army as specified in the funding table in section 4601.

(b) Limitation on Total Cost of Construction Projects.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2101 may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.
SEC. 2105. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2014 PROJECT.

In the case of the authorization contained in the table in section 2101(a) of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113–66; 127 Stat. 986) for Joint Base Lewis-McChord, Washington, for construction of an airfield operations complex, the Secretary of the Army may construct standby generator capacity of 1,000 kilowatts.

SEC. 2106. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2015 PROJECT.

In the case of the authorization contained in the table in section 2101(a) of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3670) for Fort Shafter, Hawaii, for construction of a command and control facility, the Secretary of the Army may construct 15 megawatts of redundant power generation for a total project amount of $370,000,000.

SEC. 2107. EXTENSION OF AUTHORIZATION OF CERTAIN FISCAL YEAR 2014 PROJECT.

shall remain in effect until October 1, 2018, or the
date of the enactment of an Act authorizing funds for mili-
tary construction for fiscal year 2019, whichever is later.

(b) Table.—The table referred to in subsection (a) is as follows:

**Army: Extension of 2014 Project Authorization**

<table>
<thead>
<tr>
<th>State or Country</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japan</td>
<td>Kyogamisaki</td>
<td>Company Operations Complex</td>
<td>$33,000,000</td>
</tr>
</tbody>
</table>

**SEC. 2108. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2015 PROJECTS.**

(a) Extension.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3669), the authorizations set forth in the table in subsection (b), as provided in section 2101 of that Act (128 Stat. 3670), shall remain in effect until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

(b) Table.—The table referred to in subsection (a) is as follows:

**Army: Extension of 2015 Project Authorizations**

<table>
<thead>
<tr>
<th>State/ Country</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>Military Ocean Terminal Control</td>
<td>Access Control Point</td>
<td>$9,900,000</td>
</tr>
<tr>
<td>Hawaii ....</td>
<td>Fort Shafter</td>
<td>Command and Control Facility (SCIF)</td>
<td>$370,000,000</td>
</tr>
</tbody>
</table>
Army: Extension of 2015 Project Authorizations—Continued

<table>
<thead>
<tr>
<th>State/Country</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japan</td>
<td>Kadena Air Base ..........</td>
<td>Missile Magazine ...............</td>
<td>$10,600,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Fort Hood</td>
<td>Simulation Center ...............</td>
<td>$46,000,000</td>
</tr>
</tbody>
</table>


(a) PROJECT AUTHORIZATION.—In connection with the authorizations contained in the tables in section 2101(a) of the Military Construction Authorization Act for Fiscal Year 2000 (division B of Public Law 106–65; 113 Stat. 825), section 2101(a) of the Military Construction Authorization Act for Fiscal Year 2005 (division B of Public Law 108–375; 118 Stat. 2101), section 2101(a) of the Military Construction Authorization Act for Fiscal Year 2006 (division B of Public Law 109–163; 119 Stat. 3485), and section 2101(a) of the Military Construction Authorization Act for Fiscal Year 2007 (division B of Public Law 109–364; 120 Stat. 2445) for Fort Irwin, California, for Land Acquisition – National Training Center, Phases 1 through 4, the Secretary of the Army may carry out military construction projects to complete the land acquisitions within the initial scope of the projects.

(b) CONGRESSIONAL NOTIFICATION.—The Secretary of the Army shall provide information in accordance with
section 2851(c) of title 10, United States Code, regarding
the projects described in subsection (a).

**TITLE XXII—NAVY MILITARY
CONSTRUCTION**

Sec. 2201. Authorized Navy construction and land acquisition projects.
Sec. 2202. Family housing.
Sec. 2203. Improvements to military family housing units.
Sec. 2204. Authorization of appropriations, Navy.
Sec. 2205. Extension of authorizations for certain fiscal year 2014 projects.
Sec. 2206. Extension of authorizations of certain fiscal year 2015 projects.

**SEC. 2201. AUTHORIZED NAVY CONSTRUCTION AND LAND
ACQUISITION PROJECTS.**

(a) **INSIDE THE UNITED STATES.**—Using amounts
appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona</td>
<td>Yuma</td>
<td>$36,358,000</td>
</tr>
<tr>
<td>California</td>
<td>Barstow</td>
<td>$36,539,000</td>
</tr>
<tr>
<td></td>
<td>Camp Pendleton</td>
<td>$61,139,000</td>
</tr>
<tr>
<td></td>
<td>Coronado</td>
<td>$36,000,000</td>
</tr>
<tr>
<td></td>
<td>Lemoore</td>
<td>$60,828,000</td>
</tr>
<tr>
<td></td>
<td>Miramar</td>
<td>$47,600,000</td>
</tr>
<tr>
<td></td>
<td>Twentynine Palms</td>
<td>$55,099,000</td>
</tr>
<tr>
<td>Florida</td>
<td>Mayport</td>
<td>$84,818,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Albany</td>
<td>$43,300,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Joint Region Marianas</td>
<td>$284,679,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Joint Base Pearl Harbor-Hickam</td>
<td>$73,200,000</td>
</tr>
<tr>
<td></td>
<td>Kaneoike Bay</td>
<td>$26,492,000</td>
</tr>
<tr>
<td></td>
<td>Wahiawa</td>
<td>$65,864,000</td>
</tr>
<tr>
<td>Maine</td>
<td>Kittery</td>
<td>$61,692,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Camp Lejeune</td>
<td>$103,767,000</td>
</tr>
</tbody>
</table>
Navy: Inside the United States—Continued

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virginia</td>
<td>Cherry Point Marine Corps Air Station ..........</td>
<td>$15,671,000</td>
</tr>
<tr>
<td></td>
<td>Dam Neck ..........................................</td>
<td>$29,262,000</td>
</tr>
<tr>
<td></td>
<td>Joint Expeditionary Base Little Creek-Story</td>
<td>$2,596,000</td>
</tr>
<tr>
<td></td>
<td>Portsmouth ..........................................</td>
<td>$72,990,000</td>
</tr>
<tr>
<td></td>
<td>Quantico ............................................</td>
<td>$23,738,000</td>
</tr>
<tr>
<td></td>
<td>Yorktown ............................................</td>
<td>$36,358,000</td>
</tr>
<tr>
<td>Washington</td>
<td>Indian Island ......................................</td>
<td>$44,440,000</td>
</tr>
</tbody>
</table>

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the installation or location outside the United States, and in the amounts, set forth in the following table:

Navy: Outside the United States

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greece</td>
<td>Souda Bay</td>
<td>$22,045,000</td>
</tr>
<tr>
<td>Japan</td>
<td>Iwakuni</td>
<td>$21,860,000</td>
</tr>
</tbody>
</table>

SEC. 2202. FAMILY HOUSING.

(a) CONSTRUCTION AND ACQUISITION.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may construct or acquire family housing units (including land acquisition and supporting facilities) at the installations or locations,
in the number of units, and in the amounts set forth in
the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation</th>
<th>Units</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bahrain Island</td>
<td>SW Asia</td>
<td>Construct On-Base GFOQ</td>
<td>$2,138,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Replace Andersen Housing PH II</td>
<td>$40,875,000</td>
</tr>
</tbody>
</table>

(b) PLANNING AND DESIGN.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $4,418,000.

SEC. 2203. IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS.

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may improve existing military family housing units in an amount not to exceed $36,251,000.

SEC. 2204. AUTHORIZATION OF APPROPRIATIONS, NAVY.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years
beginning after September 30, 2017, for military construc-
tion, land acquisition, and military family housing
functions of the Department of the Navy, as specified in
the funding table in section 4601.

(b) LIMITATION ON TOTAL COST OF CONSTRUCTION
PROJECTS.—Notwithstanding the cost variations author-
ized by section 2853 of title 10, United States Code, and
any other cost variation authorized by law, the total cost
of all projects carried out under section 2201 may not ex-
ceed the total amount authorized to be appropriated under
subsection (a), as specified in the funding table in section
4601.

SEC. 2205. EXTENSION OF AUTHORIZATIONS FOR CERTAIN
FISCAL YEAR 2014 PROJECTS.

(a) EXTENSION.—Notwithstanding section 2002 of
the Military Construction Authorization Act for Fiscal
985), the authorizations set forth in the table in sub-
section (b), as provided in section 2201 of that Act (127
Stat. 989) and extended by section 2207 of the Military
Construction Authorization Act for Fiscal Year 2017 (di-
vision B of Public Law 114–328; 130 Stat. 2694), shall
remain in effect until October 1, 2018, or the date of the
enactment of an Act authorizing funds for military con-
struction for fiscal year 2019, whichever is later.
(b) **TABLE.**—The table referred to in subsection (a) is as follows:

**Navy: Extension of 2014 Project Authorizations**

| State           | Installation or Location | Project                              | Amount         |
|-----------------|--------------------------|--------------------------------------|----------------|-----------------|
| Illinois        | Great Lakes              | Unaccompanied Housing                 | $35,851,000    |
| Nevada          | Fallon                   | Wastewater Treatment Plant           | $11,334,000    |
| Virginia        | Quantico                 | Fuller Road Improvements             | $9,013,000     |

**SEC. 2206. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2015 PROJECTS.**

(a) **EXTENSION.**—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3669), the authorizations set forth in the table in subsection (b), as provided in section 2201 of that Act (128 Stat. 3675), shall remain in effect until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

(b) **TABLE.**—The table referred to in subsection (a) is as follows:

**Navy: Extension of 2015 Project Authorizations**

| State          | Installation or Location | Project                                      | Amount         |
|----------------|--------------------------|----------------------------------------------|----------------|-----------------|
| District of Columbia | NSA Washington           | Electronics Science and Technology Lab       | $37,882,000    |
| Maryland       | Indian Head              | Advanced Energy Research Lab Complex Phase 2 | $15,346,000    |
TITLE XXIII—AIR FORCE

MILITARY CONSTRUCTION

Sec. 2301. Authorized Air Force construction and land acquisition projects.
Sec. 2302. Family housing.
Sec. 2303. Improvements to military family housing units.
Sec. 2305. Modification of authority to carry out certain fiscal year 2017 projects.
Sec. 2306. Extension of authorizations of certain fiscal year 2015 projects.

SEC. 2301. AUTHORIZED AIR FORCE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska</td>
<td>Eielson Air Force Base</td>
<td>$168,900,000</td>
</tr>
<tr>
<td>Arkansas</td>
<td>Little Rock Air Force Base</td>
<td>$200,000,000</td>
</tr>
<tr>
<td>California</td>
<td>Travis Air Force Base</td>
<td>$114,700,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Buckley Air Force Base</td>
<td>$38,000,000</td>
</tr>
<tr>
<td></td>
<td>Fort Carson</td>
<td>$13,000,000</td>
</tr>
<tr>
<td></td>
<td>U.S. Air Force Academy</td>
<td>$30,000,000</td>
</tr>
<tr>
<td>Florida</td>
<td>Eglin Air Force Base</td>
<td>$90,700,000</td>
</tr>
<tr>
<td></td>
<td>MacDill Air Force Base</td>
<td>$8,100,000</td>
</tr>
<tr>
<td></td>
<td>Tyndall Air Force Base</td>
<td>$17,000,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Robins Air Force Base</td>
<td>$9,800,000</td>
</tr>
<tr>
<td>Kansas</td>
<td>McConnell Air Force Base</td>
<td>$17,500,000</td>
</tr>
<tr>
<td>Maryland</td>
<td>Joint Base Andrews</td>
<td>$271,500,000</td>
</tr>
<tr>
<td>Nevada</td>
<td>Nellis Air Force Base</td>
<td>$61,000,000</td>
</tr>
<tr>
<td>New Jersey</td>
<td>McGuire-Dix-Lakehurst</td>
<td>$146,500,000</td>
</tr>
<tr>
<td>New Mexico</td>
<td>Cannon Air Force Base</td>
<td>$42,000,000</td>
</tr>
<tr>
<td></td>
<td>Holloman Air Force Base</td>
<td>$4,250,000</td>
</tr>
<tr>
<td></td>
<td>Kirtland Air Force Base</td>
<td>$8,300,000</td>
</tr>
<tr>
<td>North Dakota</td>
<td>Minot Air Force Base</td>
<td>$27,000,000</td>
</tr>
</tbody>
</table>
Air Force: Inside the United States—Continued

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ohio</td>
<td>Wright-Patterson Air Force Base</td>
<td>$6,800,000</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>Altus Air Force Base</td>
<td>$20,900,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Joint Base San Antonio</td>
<td>$156,630,000</td>
</tr>
<tr>
<td>Utah</td>
<td>Hill Air Force Base</td>
<td>$28,000,000</td>
</tr>
<tr>
<td>Wyoming</td>
<td>F.E. Warren Air Force Base</td>
<td>$62,000,000</td>
</tr>
</tbody>
</table>

(b) Outside the United States.—Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the installations or locations outside the United States, and in the amounts, set forth in the following table:

Air Force: Outside the United States

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Darwin</td>
<td>$76,000,000</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>RAF Fairford</td>
<td>$45,650,000</td>
</tr>
<tr>
<td></td>
<td>RAF Lakenheath</td>
<td>$136,992,000</td>
</tr>
</tbody>
</table>

Sec. 2302. Family Housing.

Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the
construction or improvement of family housing units in an amount not to exceed $4,445,000.

SEC. 2303. IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS.

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed $80,617,000.

SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2017, for military construction, land acquisition, and military family housing functions of the Department of the Air Force, as specified in the funding table in section 4601.

(b) Limitation on Total Cost of Construction Projects.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2301 may not exceed the total amount authorized to be appropriated under
subsection (a), as specified in the funding table in section 4601.

SEC. 2305. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2017 PROJECTS.

(a) HANSCOM AIR FORCE BASE.—In the case of the authorization contained in the table in section 2301(a) of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328; 130 Stat. 2696) for Hanscom Air Force Base, Massachusetts, for construction of a gate complex at the installation, the Secretary of the Air Force may construct a visitor control center of 187 square meters, a traffic check house of 294 square meters, and an emergency power generator system and transfer switch consistent with the Air Force’s construction guidelines.

(b) MARIANA ISLANDS.—In the case of the authorization contained in the table in section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328; 130 Stat. 2697) for acquiring 142 hectares of land at an unspecified location in the Mariana Islands, the Secretary of the Air Force may acquire 142 hectares of land on Tinian in the Northern Mariana Islands for a cost of $21,900,000.

(c) CHABELLEY AIRFIELD.—In the case of the authorization contained in the table in section 2902 of the
Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328; 130 Stat. 2743) for Chabelley Airfield, Djibouti, for construction of a parking apron and taxiway at that location, the Secretary of the Air Force may construct 20,490 square meters of taxiway and apron, 8,230 square meters of paved shoulders, 10,650 square meters of hangar pads, and 3,900 square meters of cargo apron.


SEC. 2306. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2015 PROJECTS.

(a) Extension.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3669), the authorizations set forth in the table in subsection (b), as provided in section 2301 of that Act (128 Stat. 3679), shall remain in effect until October 1, 2018, or the date of the enactment of an Act authorizing funds
for military construction for fiscal year 2019, whichever is later.

(b) **TABLE.**—The table referred to in subsection (a) is as follows:

### Air Force: Extension of 2015 Project Authorization

<table>
<thead>
<tr>
<th>State</th>
<th>Installation</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska</td>
<td>Clear Air Force Station</td>
<td>Emergency Power Plant Fuel Storage</td>
<td>$11,500,000</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>Tinker Air Force Base</td>
<td>KC-46 Two-Bay Maintenance Hangar</td>
<td>$63,000,000</td>
</tr>
</tbody>
</table>

**TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION**

Sec. 2401. Authorized Defense Agencies construction and land acquisition projects.
Sec. 2402. Authorized energy resiliency and conservation projects.
Sec. 2404. Modification of authority to carry out certain fiscal year 2017 project.
Sec. 2405. Extension of authorizations of certain fiscal year 2014 projects.
Sec. 2406. Extension of authorizations of certain fiscal year 2015 projects.

**SEC. 2401. AUTHORIZED DEFENSE AGENCIES CONSTRUCTION AND LAND ACQUISITION PROJECTS.**

(a) **INSIDE THE UNITED STATES.**—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of Defense may acquire real property and carry out military construction projects for the installations or locations in-
side the United States, and in the amounts, set forth in
the following table:

**Defense Agencies: Inside the United States**

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska</td>
<td>Fort Greely</td>
<td>$200,000,000</td>
</tr>
<tr>
<td>California</td>
<td>Camp Pendleton</td>
<td>$43,642,000</td>
</tr>
<tr>
<td></td>
<td>Coronado</td>
<td>$258,735,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Schriever Air Force Base</td>
<td>$10,200,000</td>
</tr>
<tr>
<td>Florida</td>
<td>Eglin Air Force Base</td>
<td>$9,100,000</td>
</tr>
<tr>
<td></td>
<td>Hurlburt Field</td>
<td>$46,400,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Fort Gordon</td>
<td>$10,350,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Andersen Air Force Base</td>
<td>$23,900,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Kunsia</td>
<td>$5,000,000</td>
</tr>
<tr>
<td>Missouri</td>
<td>Fort Leonard Wood</td>
<td>$393,241,000</td>
</tr>
<tr>
<td></td>
<td>St. Louis</td>
<td>$381,000,000</td>
</tr>
<tr>
<td>New Mexico</td>
<td>Cannon Air Force Base</td>
<td>$8,228,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Camp Lejeune</td>
<td>$90,039,000</td>
</tr>
<tr>
<td></td>
<td>Fort Bragg</td>
<td>$57,778,000</td>
</tr>
<tr>
<td></td>
<td>Seymour Johnson Air Force Base</td>
<td>$20,000,000</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Shaw Air Force Base</td>
<td>$22,900,000</td>
</tr>
<tr>
<td>Utah</td>
<td>Hill Air Force Base</td>
<td>$20,000,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Joint Expeditionary Base Little Creek-Story</td>
<td>$23,000,000</td>
</tr>
<tr>
<td></td>
<td>Norfolk</td>
<td>$18,500,000</td>
</tr>
<tr>
<td></td>
<td>Pentagon</td>
<td>$50,100,000</td>
</tr>
<tr>
<td></td>
<td>Portsmouth</td>
<td>$22,500,000</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Unspecified Worldwide Locations</td>
<td>$64,364,000</td>
</tr>
</tbody>
</table>

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of Defense may acquire real property and carry out military construction projects for the installations or locations outside the United States, and in the amounts, set forth in the following table:

**Defense Agencies: Outside the United States**

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>Spangdahlem Air Base</td>
<td>$79,141,000</td>
</tr>
<tr>
<td></td>
<td>Stuttgart</td>
<td>$46,609,000</td>
</tr>
<tr>
<td>Greece</td>
<td>Souda Bay</td>
<td>$18,100,000</td>
</tr>
<tr>
<td>Italy</td>
<td>Vicenza</td>
<td>$62,406,000</td>
</tr>
<tr>
<td>Japan</td>
<td>Iwakuni</td>
<td>$30,800,000</td>
</tr>
<tr>
<td></td>
<td>Kadena Air Base</td>
<td>$27,573,000</td>
</tr>
</tbody>
</table>
1395

Defense Agencies: Outside the United States—Continued

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Okinawa</td>
<td></td>
<td>$11,900,000</td>
</tr>
<tr>
<td>Sasebo</td>
<td></td>
<td>$45,600,000</td>
</tr>
<tr>
<td>Torii Commo Station</td>
<td></td>
<td>$25,323,000</td>
</tr>
<tr>
<td>Puerto Rico</td>
<td>Punta Borinquen</td>
<td>$61,071,000</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Menwith Hill Station</td>
<td>$11,000,000</td>
</tr>
</tbody>
</table>

1 SEC. 2402. AUTHORIZED ENERGY RESILIENCY AND CONSERVATION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for energy resiliency and conservation projects inside the United States as specified in the funding table in section 4601, the Secretary of Defense may carry out energy resiliency and conservation projects under chapter 173 of title 10, United States Code, for the installations or locations inside the United States, and the amounts set forth in the following table:

Energy Resiliency and Conservation Projects: Inside the United States

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorado</td>
<td>Schriever Air Force Base</td>
<td>$15,260,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Andersen Air Force Base</td>
<td>$5,880,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>NAVBASE Guam</td>
<td>$6,920,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>MCBH Kaneohe Bay</td>
<td>$6,185,000</td>
</tr>
<tr>
<td>Illinois</td>
<td>MTC Marseilles</td>
<td>$3,000,000</td>
</tr>
<tr>
<td>Maryland</td>
<td>NSA South Potomac-Indian Head</td>
<td>$10,790,000</td>
</tr>
<tr>
<td>Missouri</td>
<td>Fort Leonard Wood</td>
<td>$5,300,000</td>
</tr>
<tr>
<td>Montana</td>
<td>Mahanstrom Air Force Base</td>
<td>$6,086,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Ft. Bragg</td>
<td>$3,000,000</td>
</tr>
<tr>
<td>Utah</td>
<td>Lejeune/New River</td>
<td>$9,750,000</td>
</tr>
<tr>
<td>Utah</td>
<td>Tooele Army Depot</td>
<td>$6,400,000</td>
</tr>
<tr>
<td>Utah</td>
<td>Dugway Proving Ground</td>
<td>$8,700,000</td>
</tr>
<tr>
<td>Wyoming</td>
<td>Hill Air Force Base</td>
<td>$8,467,000</td>
</tr>
<tr>
<td>Wyoming</td>
<td>F.E. Warren</td>
<td>$4,500,000</td>
</tr>
<tr>
<td>Various Locations</td>
<td>Various Locations</td>
<td>$27,232,000</td>
</tr>
</tbody>
</table>

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for energy resiliency
and conservation projects outside the United States as
specified in the funding table in section 4601, the Sec-  
retary of Defense may carry out energy resiliency and con-
servation projects under chapter 173 of title 10, United
States Code, for the installations or locations outside the
United States, and in the amounts, set forth in the fol-
lowing table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honduras</td>
<td>Soto Cano Air Base</td>
<td>$12,600,000</td>
</tr>
<tr>
<td>Italy</td>
<td>NSA Naples</td>
<td>$2,700,000</td>
</tr>
<tr>
<td>Japan</td>
<td>CFA Yokosuka</td>
<td>$8,530,000</td>
</tr>
<tr>
<td>Korea</td>
<td>Osan Air Base</td>
<td>$13,700,000</td>
</tr>
</tbody>
</table>

SEC. 2403. AUTHORIZATION OF APPROPRIATIONS, DE-
FENSE AGENCIES.

(a) Authorization of Appropriations.—Funds

are hereby authorized to be appropriated for fiscal years

beginning after September 30, 2017, for military con-
struction, land acquisition, and military family housing

functions of the Department of Defense (other than the

military departments), as specified in the funding table

in section 4601.

(b) Limitation on Total Cost of Construction

Projects.—Notwithstanding the cost variations author-
ized by section 2853 of title 10, United States Code, and

any other cost variation authorized by law, the total cost

of all projects carried out under section 2401 of this Act

may not exceed the total amount authorized to be appro-
priated under subsection (a), as specified in the funding table in section 4601.

SEC. 2404. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2017 PROJECT.

In the case of the authorization in the table in section 2401(b) of the Military Construction Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2700) for Kaiserslautern, Germany, for construction of the Sembach Elementary/Middle School Replacement, the Secretary of Defense may construct an elementary school.

SEC. 2405. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2014 PROJECTS.

(a) Extension.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113–66; 127 Stat. 985), the authorizations set forth in the table in subsection (b), as provided in section 2401 of that Act (127 Stat. 995) and extended by section 2406 of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328; 130 Stat. 2702), shall remain in effect until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

(b) Table.—The table referred to in subsection (a) is as follows:
Defense Agencies: Extension of 2014 Project Authorizations

<table>
<thead>
<tr>
<th>State/Country</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>Royal Air Force Lakenheath</td>
<td>Lakenheath Middle/ High School Replacement</td>
<td>$69,638,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Marine Corps Base Quantico</td>
<td>Quantico Middle/ High School Replacement</td>
<td>$40,586,000</td>
</tr>
<tr>
<td></td>
<td>Pentagon ......................</td>
<td>PFPA Support Operations Center</td>
<td>$14,800,000</td>
</tr>
</tbody>
</table>

SEC. 2406. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2015 PROJECTS.

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3669), the authorizations set forth in the table in subsection (b), as provided in section 2401 of that Act (128 Stat. 3681), shall remain in effect until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

Defense Agencies: Extension of 2015 Project Authorizations

<table>
<thead>
<tr>
<th>State/Country</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Geraldton ......................</td>
<td>Combined Communications Gateway Geraldton</td>
<td>$9,600,000</td>
</tr>
<tr>
<td>Belgium</td>
<td>Brussels ......................</td>
<td>Brussels Elementary/ High School Replacement</td>
<td>$41,626,000</td>
</tr>
<tr>
<td>Japan</td>
<td>Okinawa ......................</td>
<td>Kubasaki High School Replacement/Renovation</td>
<td>$99,420,000</td>
</tr>
</tbody>
</table>
Defense Agencies: Extension of 2015 Project Authorizations—Continued

<table>
<thead>
<tr>
<th>State/Country</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mississippi</td>
<td>Stennis</td>
<td>SOF Land Acquisition Western Maneuver Area</td>
<td>$17,224,000</td>
</tr>
<tr>
<td>New Mexico</td>
<td>Cannon Air Force Base</td>
<td>SOF Squadron Operations Facility (STS)</td>
<td>$23,333,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Defense Distribution</td>
<td>Replace Access Control Point</td>
<td>$5,700,000</td>
</tr>
<tr>
<td></td>
<td>Joint Base Langley-Eustis</td>
<td>Hospital Addition/ Central Utility Plant Replacement</td>
<td>$41,200,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Redundant Chilled Water Loop</td>
<td>$15,100,000</td>
</tr>
</tbody>
</table>

TITLE XXV—INTERNATIONAL PROGRAMS

Subtitle A—North Atlantic Treaty Organization Security Investment Program

Sec. 2501. Authorized NATO construction and land acquisition projects.
Sec. 2502. Authorization of appropriations, NATO.

Subtitle B—Host Country In-Kind Contributions

Sec. 2511. Republic of Korea funded construction projects.
Sec. 2512. Modification of authority to carry out certain fiscal year 2017 projects.

Subtitle A—North Atlantic Treaty Organization Security Investment Program

Sec. 2501. AUTHORIZED NATO CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of Defense may make contributions for the North Atlantic Treaty Organization Security Investment Program as provided in section 2806 of title 10,
United States Code, in an amount not to exceed the sum of the amount authorized to be appropriated for this purpose in section 2502 and the amount collected from the North Atlantic Treaty Organization as a result of construction previously financed by the United States.

SEC. 2502. AUTHORIZATION OF APPROPRIATIONS, NATO.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2017, for contributions by the Secretary of Defense under section 2806 of title 10, United States Code, for the share of the United States of the cost of projects for the North Atlantic Treaty Organization Security Investment Program authorized by section 2501 as specified in the funding table in section 4601.

Subtitle B—Host Country In-Kind Contributions

SEC. 2511. REPUBLIC OF KOREA FUNDED CONSTRUCTION PROJECTS.

Pursuant to agreement with the Republic of Korea for required in-kind contributions, the Secretary of Defense may accept military construction projects for the installations or locations, and in the amounts, set forth in the following table:
1401

Republic of Korea Funded Construction Projects

<table>
<thead>
<tr>
<th>Country</th>
<th>Component</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korea ......</td>
<td>Army ......</td>
<td>Camp Humphreys .........................</td>
<td>Unaccompanied Enlisted Personnel Housing, Phase 1</td>
<td>$76,000,000</td>
</tr>
<tr>
<td>Army ......</td>
<td>Camp Humphreys .........................</td>
<td>Type I Aircraft Parking Apron</td>
<td>$10,000,000</td>
<td></td>
</tr>
<tr>
<td>Air Force Kunsan Air Base ......</td>
<td>Construct Airfield Damage Repair Warehouse</td>
<td>$6,500,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Force Osan Air Base ......</td>
<td>Main Gate Entry Control Facilities ............</td>
<td>$13,000,000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SEC. 2512. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2017 PROJECTS.

(a) CAMP HUMPHREYS.—In the case of the authorization contained in the table in section 2511 of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328; 130 Stat. 2704) for Camp Humphreys, Republic of Korea, for construction of the 8th Army Correctional Facility, the Secretary of Defense may construct a level 1 correctional facility of 26,000 square feet and a utility and tool storage building of 400 square feet.

(b) K-16 AIR BASE.—In the case of the authorization contained in the table in section 2511 of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328; 130 Stat. 2704) for the K-16 Air Base, Republic of Korea, for renovation of the Special Operations Forces (SOF) Operations Facility, B-606,
the Secretary of Defense may renovate an operations ad-
ministration area of 5,500 square meters.

TITLE XXVI—GUARD AND
RESERVE FORCES FACILITIES

Subtitle A—Project Authorizations and Authorization of Appropriations

Sec. 2601. Authorized Army National Guard construction and land acquisition projects.
Sec. 2602. Authorized Army Reserve construction and land acquisition projects.
Sec. 2603. Authorized Navy Reserve and Marine Corps Reserve construction and land acquisition projects.
Sec. 2604. Authorized Air National Guard construction and land acquisition projects.
Sec. 2605. Authorized Air Force Reserve construction and land acquisition projects.
Sec. 2606. Authorization of appropriations, National Guard and Reserve.

Subtitle B—Other Matters

Sec. 2611. Modification of authority to carry out certain fiscal year 2015 project.
Sec. 2612. Extension of authorizations of certain fiscal year 2014 projects.
Sec. 2613. Extension of authorizations of certain fiscal year 2015 projects.

Subtitle A—Project Authorizations and Authorization of Appropriations

SEC. 2601. AUTHORIZED ARMY NATIONAL GUARD CON-
STRUCTION AND LAND ACQUISITION
PROJECTS.

Using amounts appropriated pursuant to the author-
ization of appropriations in section 2606 and available for
the National Guard and Reserve as specified in the fund-
ing table in section 4601, the Secretary of the Army may
acquire real property and carry out military construction
projects for the Army National Guard locations inside the
United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Army National Guard</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>Delaware</td>
</tr>
<tr>
<td>Idaho</td>
</tr>
<tr>
<td>Iowa</td>
</tr>
<tr>
<td>Kansas</td>
</tr>
<tr>
<td>Maine</td>
</tr>
<tr>
<td>Maryland</td>
</tr>
<tr>
<td>Minnesota</td>
</tr>
<tr>
<td>Missouri</td>
</tr>
<tr>
<td>New Mexico</td>
</tr>
<tr>
<td>Virginia</td>
</tr>
<tr>
<td>Washington</td>
</tr>
</tbody>
</table>

SEC. 2602. AUTHORIZED ARMY RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the Army Reserve locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Army Reserve: Inside the United States</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>California</td>
</tr>
<tr>
<td>Washington</td>
</tr>
<tr>
<td>Wisconsin</td>
</tr>
</tbody>
</table>

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard
and Reserve as specified in the funding table in section
3102, the Secretary of the Army may acquire real prop-
erty and carry out military construction projects for the
Army Reserve locations outside the United States, and in
the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Army Reserve: Outside the United States</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>Puerto Rico</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

SEC. 2603. AUTHORIZED NAVY RESERVE AND MARINE
CORPS RESERVE CONSTRUCTION AND LAND

ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the author-
ization of appropriations in section 2606 and available for
the National Guard and Reserve as specified in the fund-
ing table in section 4601, the Secretary of the Navy may
acquire real property and carry out military construction
projects for the Navy Reserve and Marine Corps Reserve
locations inside the United States, and in the amounts,
set forth in the following table:

<table>
<thead>
<tr>
<th>Navy Reserve and Marine Corps Reserve</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>California</td>
</tr>
<tr>
<td>Georgia</td>
</tr>
<tr>
<td>New Jersey</td>
</tr>
<tr>
<td>Texas</td>
</tr>
</tbody>
</table>
SEC. 2604. AUTHORIZED AIR NATIONAL GUARD CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the Air National Guard locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>March Air Force Base</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Peterson Air Force Base</td>
<td>$8,000,000</td>
</tr>
<tr>
<td>Connecticut</td>
<td>Bradley IAP</td>
<td>$7,000,000</td>
</tr>
<tr>
<td>Illinois</td>
<td>Hulman Regional Airport</td>
<td>$8,000,000</td>
</tr>
<tr>
<td>Indiana</td>
<td>Hulman Regional Airport</td>
<td>$8,000,000</td>
</tr>
<tr>
<td>Kentucky</td>
<td>Louisville IAP</td>
<td>$9,000,000</td>
</tr>
<tr>
<td>Mississippi</td>
<td>Jackson International Airport</td>
<td>$8,000,000</td>
</tr>
<tr>
<td>Missouri</td>
<td>Rosecrans Memorial Airport</td>
<td>$10,000,000</td>
</tr>
<tr>
<td>New York</td>
<td>Hancock Field</td>
<td>$6,800,000</td>
</tr>
<tr>
<td>Ohio</td>
<td>Toledo Express Airport</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>Tulsa International Airport</td>
<td>$8,000,000</td>
</tr>
<tr>
<td>Oregon</td>
<td>Klamath Falls IAP</td>
<td>$18,500,000</td>
</tr>
<tr>
<td>South Dakota</td>
<td>Joe Foss Field</td>
<td>$12,000,000</td>
</tr>
<tr>
<td>Tennessee</td>
<td>McGhee-Tyson Airport</td>
<td>$25,000,000</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>Dane County Regional/Airport Truax Field</td>
<td>$8,000,000</td>
</tr>
</tbody>
</table>

SEC. 2605. AUTHORIZED AIR FORCE RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the Air Force Reserve locations inside
the United States, and in the amounts, set forth in the
following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida</td>
<td>Patrick Air Force Base</td>
<td>$25,000,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Robins Air Force Base</td>
<td>$32,000,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Joint Region Marianas</td>
<td>$5,200,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Joint Base Pearl Harbor-Hickam</td>
<td>$5,500,000</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Westover ARB</td>
<td>$10,000,000</td>
</tr>
<tr>
<td>Minnesota</td>
<td>Minneapolis-St Paul IAP</td>
<td>$9,000,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Seymour Johnson Air Force Base</td>
<td>$6,400,000</td>
</tr>
<tr>
<td>Texas</td>
<td>NAS JRB Fort Worth</td>
<td>$3,100,000</td>
</tr>
<tr>
<td>Utah</td>
<td>Hill Air Force Base</td>
<td>$3,100,000</td>
</tr>
</tbody>
</table>

SEC. 2606. AUTHORIZATION OF APPROPRIATIONS, NATIONAL GUARD AND RESERVE.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2017, for the costs of acquisition, architectural and engineering services, and construction of facilities for the Guard and Reserve Forces, and for contributions therefor, under chapter 1803 of title 10, United States Code (including the cost of acquisition of land for those facilities), as specified in the funding table in section 4601.

Subtitle B—Other Matters

SEC. 2611. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2015 PROJECT.

In the case of the authorization contained in the table in section 2602 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3688) for Starkville, Mississippi, for construction of an Army Reserve Center at that location, the
Secretary of the Army may acquire approximately fifteen acres (653,400 square feet) of land.

SEC. 2612. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2014 PROJECTS.

(a) Extension.—Notwithstanding section 2002 of the Military Construction Act for Fiscal Year 2014 (division B of Public Law 113–66; 127 Stat. 985), the authorizations set forth in the table in subsection (b), as provided in sections 2602, 2604, and 2605 of that Act (127 Stat. 1001, 1002), shall remain in effect until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

(b) Table.—The table referred to in subsection (a) is as follows:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida ......</td>
<td>Homestead ARB ..........</td>
<td>Entry Control Complex</td>
<td>$9,800,000</td>
</tr>
<tr>
<td>Maryland ....</td>
<td>Fort Meade ..............</td>
<td>175th Network Warfare</td>
<td>$4,000,000</td>
</tr>
<tr>
<td>New York .....</td>
<td>Bullville ...............</td>
<td>Army Reserve Center</td>
<td>$14,500,000</td>
</tr>
</tbody>
</table>

SEC. 2613. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2015 PROJECTS.

(a) Extension.—Notwithstanding section 2002 of the Military Construction Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3669), the authorizations set forth in the table in subsection (b), as pro-
vided in sections 2602 and 2604 of that Act (128 Stat. 3688, 3689), shall remain in effect until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

(b) **TABLE.**—The table referred to in subsection (a) is as follows:

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mississippi</td>
<td>Starkville</td>
<td>Army Reserve Center</td>
<td>$9,300,000</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>Pease</td>
<td>KC-46A ADAL Airfield Pavements and Hydrant Systems</td>
<td>$7,100,000</td>
</tr>
</tbody>
</table>

**TITLE XXVII—BASE REALIGNMENT AND CLOSURE ACTIVITIES**

Sec. 2701. Authorization of appropriations for base realignment and closure activities funded through Department of Defense base closure account.

Sec. 2702. Prohibition on conducting additional base realignment and closure (BRAC) round.

**SEC. 2701. AUTHORIZATION OF APPROPRIATIONS FOR BASE REALIGNMENT AND CLOSURE ACTIVITIES FUNDED THROUGH DEPARTMENT OF DEFENSE BASE CLOSURE ACCOUNT.**

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2017, for base realignment and closure activities, including real property acquisition and military construction projects, as author-
ized by the Defense Base Closure and Realignment Act of 1990 (part A of title XXIX of Public Law 101–510; 10 U.S.C. 2687 note) and funded through the Department of Defense Base Closure Account established by section 2906 of such Act (as amended by section 2711 of the Military Construction Authorization Act for Fiscal Year 2013 (division B of Public Law 112–239; 126 Stat. 2140)), as specified in the funding table in section 4601.

SEC. 2702. PROHIBITION ON CONDUCTING ADDITIONAL BASE REALIGNMENT AND CLOSURE (BRAC) ROUND.

Nothing in this Act shall be construed to authorize an additional Base Realignment and Closure (BRAC) round.

TITLE XXVIII—MILITARY CONSTRUCTION GENERAL PROVISIONS

Subtitle A—Military Construction Program and Military Family Housing

Sec. 2801. Elimination of written notice requirement for military construction activities and reliance on electronic submission of notifications and reports.

Sec. 2802. Modification of thresholds applicable to unspecified minor construction projects.

Sec. 2803. Annual locality adjustment of dollar thresholds applicable to unspecified minor military construction authorities.

Sec. 2804. Extension of temporary, limited authority to use operation and maintenance funds for construction projects outside the United States.

Sec. 2805. Use of operation and maintenance funds for military construction projects to replace facilities damaged or destroyed by natural disasters or terrorism incidents.

Sec. 2806. Annual report on unfunded requirements for laboratory military construction projects.
Subtitle B—Real Property and Facilities Administration

Sec. 2811. Elimination of written notice requirement for military real property transactions and reliance on electronic submission of notifications and reports.

Sec. 2812. Certification related to certain acquisitions or leases of real property.

Sec. 2813. Increased term limit for intergovernmental support agreements to provide installation support services.

Sec. 2814. Authorizing reimbursement of States for costs of suppressing wildfires caused by Department of Defense activities on State lands; restoration of lands of other Federal agencies for damage caused by Department of Defense vehicle mishaps.

Sec. 2815. Criteria for exchanges of property at military installations.

Sec. 2816. Land exchange valuation of property with reduced development that limits encroachment on military installations.

Sec. 2817. Requirements for window fall prevention devices in military family housing.

Sec. 2818. Prohibiting use of updated assessment of public schools on Department of Defense installations to supersede funding of certain projects.

Sec. 2819. Access to military installations by transportation network companies.

Subtitle C—Project Management and Oversight Reforms

Sec. 2821. Notification requirement for certain cost increases.

Sec. 2822. Annual report on schedule delays.

Sec. 2823. Report on design errors and omissions related to Fort Bliss hospital replacement project.

Sec. 2824. Report on cost increase and delay related to USSTRATCOM command and control facility project at Offutt Air Force Base.

Subtitle D—Energy Resilience

Sec. 2831. Energy resilience.

Sec. 2832. Authority to use energy cost savings for energy resilience, mission assurance, and weather damage repair and prevention measures.

Sec. 2833. Consideration of energy security and energy resilience in awarding energy and fuel contracts for military installations.

Sec. 2834. Requirement to address energy resilience in exercising utility system conveyance authority.

Sec. 2835. In-kind lease payments; prioritization of utility services that promote energy resilience.

Sec. 2836. Annual Department of Defense energy management reports.

Sec. 2837. Aggregation of energy efficiency and energy resilience projects in life cycle cost analyses.

Subtitle E—Land Conveyances

Sec. 2841. Land exchange, Naval Industrial Reserve Ordnance Plant, Sunnyvale, California.

Sec. 2842. Land conveyance, Mountain Home Air Force Base, Idaho.

Sec. 2843. Lease of real property to the United States Naval Academy Alumni Association and Naval Academy Foundation at United States Naval Academy, Annapolis, Maryland.
Sec. 2844. Land Conveyance, Natick Soldier Systems Center, Massachusetts.
Sec. 2845. Land exchange, Naval Air Station Corpus Christi, Texas.
Sec. 2846. Imposition of additional conditions on future use of Castner Range, Fort Bliss, Texas.
Sec. 2847. Land conveyance, former missile alert facility known as Quebec-01, Laramie County, Wyoming.

Subtitle F—Military Memorials, Monuments, and Museums
Sec. 2861. Recognition of the National Museum of World War II Aviation.
Sec. 2862. Principal office of Aviation Hall of Fame.
Sec. 2863. Establishment of a visitor services facility on the Arlington Ridge tract.
Sec. 2864. Modification of prohibition on transfer of veterans memorial objects to foreign governments without specific authorization in law.

Subtitle G—Other Matters
Sec. 2871. Authority of the Secretary of the Air Force to accept lessee improvements at Air Force Plant 42.
Sec. 2872. Modification of Department of Defense guidance on use of airfield pavement markings.
Sec. 2873. Authority of Chief Operating Officer of Armed Forces Retirement Home to acquire and lease property.
Sec. 2874. Restrictions on rehabilitation of Over-the-Horizon Backscatter Radar Station.
Sec. 2875. Permitting machine room-less elevators in Department of Defense facilities.
Sec. 2876. Disclosure of beneficial ownership by foreign persons of high security space leased by the Department of Defense.
Sec. 2877. Joint use of Dobbins Air Reserve Base, Marietta, Georgia, with civil aviation.
Sec. 2878. Report on hurricane damage to Department of Defense assets.
Sec. 2879. Special rules for certain projects.
Sec. 2880. Energy security for military installations in Europe.
Subtitle A—Military Construction

Program and Military Family Housing

SEC. 2801. ELIMINATION OF WRITTEN NOTICE REQUIREMENT FOR MILITARY CONSTRUCTION ACTIVITIES AND RELIANCE ON ELECTRONIC SUBMISSION OF NOTIFICATIONS AND REPORTS.

(a) Military Construction Authorities.—Subchapter I of chapter 169 of title 10, United States Code, is amended as follows:

(1) Section 2803(b) is amended—

(A) by striking “in writing”;

(B) by striking “seven-day period” and inserting “five-day period”; and

(C) by striking “or, if earlier, the end of the seven-day period beginning on the date on which a copy of the notification is provided”.

(2) Section 2804(b) is amended—

(A) by striking “in writing”;

(B) by striking “14-day period” and inserting “seven-day period; and”

(C) by striking “or, if earlier, the end of the seven-day period beginning on the date on which a copy of the notification is provided”.

(3) Section 2805 is amended—
(A) in subsection (b)(2)—

(i) by striking “in writing”;

(ii) by striking “21-day period” and inserting “14-day period”; and

(iii) by striking “or, if earlier, the end of the 14-day period beginning on the date on which a copy of the notification is provided”; and

(B) in subsection (d)(3)—

(i) by striking “in writing”;

(ii) by striking “21-day period” and inserting “14-day period”; and

(iii) by striking “or, if earlier, the end of the 14-day period beginning on the date on which a copy of the notification is provided”.

(4) Section 2806(c) is amended—

(A) in paragraph (1), by inserting “of Defense” after “The Secretary”; and

(B) by striking “(A)” and all that follows through the end of the paragraph and inserting the following: “, only after the end of the 14-day period beginning on the date on which the Secretary submits, in an electronic medium pursuant to section 480 of this title, to the appro-
appropriate committees of Congress notice of the increase, including the reasons for the increase and the source of the funds to be used for the increase.”.

(5) Section 2807 is amended—

(A) in subsection (b)—

(i) by striking “21-day period” and inserting “14-day period”; and

(ii) by striking “or, if earlier, the end of the 14-day period beginning on the date on which a copy of the report is provided”; and

(B) in subsection (c), by striking “(1)” and all that follows through the end of the subsection and inserting the following: “only after the end of the 14-day period beginning on the date on which the Secretary submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress notice of the need for the increase, including the source of funds to be used for the increase.”.

(6) Section 2808(b) is amended by inserting after “notify” the following: “, in an electronic medium pursuant to section 480 of this title,”.
(7) Section 2809 is amended by striking subsection (f) and inserting the following new subsection:

“(f) NOTICE AND WAIT REQUIREMENTS.—The Secretary concerned may enter into a contract under this section only after the end of the 14-day period beginning on the date on which the Secretary submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress a justification of the need for the facility covered by the proposed contract, including an economic analysis (based upon accepted life cycle costing procedures) which demonstrates that the proposed contract is cost effective when compared with alternative means of furnishing the same facility.”.

(8) Section 2811(d) is amended by inserting after “submit” the following: “, in an electronic medium pursuant to section 480 of this title,”.

(9) Section 2812(c) is amended by striking paragraph (1) and inserting the following new paragraph:

“(1) The Secretary concerned may enter into a lease under this section only after the end of the 14-day period beginning on the date on which the Secretary submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress a justification
of the need for the facility covered by the proposed lease, including an economic analysis (based upon accepted life-cycle costing procedures) that demonstrates the cost effectiveness of the proposed lease compared with a military construction project for the same facility.”.

(10) Section 2813(c) is amended—

(A) by striking “transmits to the appropriate committees of Congress a written notification” and inserting “notifies the appropriate committees of Congress”;

(B) by striking “21-day period” and inserting “14-day period”; and

(C) by striking “or, if earlier, the end of the 14-day period beginning on the date on which a copy of the report is provided”.

(11) Section 2814 is amended by striking subsection (g) and inserting the following:

“(g) NOTICE AND WAIT REQUIREMENTS.—The Secretary of the Navy may carry out a transaction authorized by this section only after the end of the 20-day period beginning on the date on which the Secretary submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress notice of the transaction, including a detailed description of the transaction and a justification for the transaction specifying the
manner in which the transaction will meet the purposes of this section.”.

(b) MILITARY FAMILY HOUSING ACTIVITIES.—Subchapter II of chapter 169 of title 10, United States Code, is amended as follows:

(1) Section 2825(b) is amended—

(A) by redesignating paragraphs (2), (3), and (4) as paragraphs (3), (4), and (5), respectively;

(B) in paragraph (5), as redesignated—

   (i) by striking “the first sentence of”;

   and

   (ii) by striking “in that sentence” and inserting “in that paragraph”; and

(C) in paragraph (1)—

   (i) in the second sentence, by striking “The Secretary concerned may waive the limitations contained in the preceding sentence” and inserting the following:

   “(2) The Secretary concerned may waive the limitations contained in paragraph (1)”;

   (ii) in the third sentence, by striking “the Secretary transmits” and all that follows through the end of the sentence and inserting the following: “the end of the 14-
day period beginning on the date on which the Secretary submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress notice of the proposed waiver, together with an economic analysis demonstrating that the improvement will be cost effective.”.

(2) Section 2827 is amended—

(A) in subsection (a), by inserting “RELOCATION AUTHORITY.—” after “(a)”; and

(B) by striking subsection (b) and inserting the following new subsection:

“(b) NOTICE AND WAIT REQUIREMENTS.—A contract to carry out a relocation of military family housing units under subsection (a) may be awarded only after the end of the 14-day period beginning on the date on which the Secretary concerned submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress notice of the proposed new locations of the housing units to be relocated and the estimated cost of and source of funds for the relocation.”.

(3) Section 2828(f) is amended by striking “may not be made” and all that follows through the end of the subsection and inserting “may be made
under this section only after the end of the 14-day period beginning on the date on which the Secretary concerned submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress notice of the facts concerning the proposed lease.”.

(4) Subsection (e) of section 2831, as redesignated by section 1051(a)(21), is further amended by striking “until—” and all that follows through the end of the subsection and inserting the following: “until after the end of the 14-day period beginning on the date on which the Secretary submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress a justification of the need for the maintenance or repair project, including an estimate of the cost of the project.”.

(5) Section 2835 is amended by striking subsection (g) and inserting the following new subsection:

“(g) NOTICE AND WAIT REQUIREMENTS.—A contract may be entered into for the lease of housing facilities under this section only after the end of the 14-day period beginning on the date on which the Secretary of Defense, or the Secretary of Homeland Security with respect to the
Coast Guard when it is not operating as a service in the Navy, submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress an economic analysis (based upon accepted life cycle costing procedures) which demonstrates that the proposed contract is cost-effective when compared with alternative means of furnishing the same housing facilities.”.

(6) Section 2835a(c) is amended by striking “until—” and all that follows through the end of the subsection and inserting the following: “until after the end of the 14-day period beginning on the date on which the Secretary submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress a notice of the intent to undertake the conversion.”.

(c) Administrative Provisions.—Subchapter III of chapter 169 of title 10, United States Code, is amended as follows:

(1) Section 2853(c) is amended—

(A) by striking “in writing” both places it appears;

(B) in paragraph (1)(B)—

(i) by striking “period of 21 days” and inserting “14-day period”; and
(ii) by striking “or, if over sooner, a period of 14 days has elapsed after the date on which a copy of the notification is provided”; and

(C) in paragraph (2), by inserting after “notifies” the following: “, using an electronic medium pursuant to section 480 of this title,”.

(2) Section 2854(b) is amended—

(A) by striking “in writing”;

(B) by striking “21-day period” and inserting “14-day period”; and

(C) by striking “or, if earlier, the end of the seven-day period beginning on the date on which a copy of the notification is provided”.

(3) Section 2854a is amended by striking subsection (c) and inserting the following new subsection:

“(c) NOTICE AND WAIT REQUIREMENTS.—(1) The Secretary concerned may enter into an agreement to convey a family housing facility under this section only after the end of the 14-day period beginning on the date on which the Secretary submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress a notice containing a justification for the conveyance under the agreement.
“(2) A notice under paragraph (1) shall include—

“(A) an estimate of the consideration to be pro-
vided the United States under the agreement;

“(B) an estimate of the cost of repairing the
family housing facility to be conveyed; and

“(C) an estimate of the cost of replacing the
family housing facility to be conveyed.”.

(4) Section 2861(c) is amended—

(A) by striking “in writing”;

(B) by striking “21-day period” and in-
serting “14-day period”; and

(C) by striking “or, if earlier, the end of
the 14-day period beginning on the date on
which a copy of the notification is provided”.

(5) Section 2866(c)(2) is amended—

(A) by striking “21-day period” and in-
serting “14-day period”; and

(B) by striking “or, if earlier, the end of
the 14-day period beginning on the date on
which a copy of the notification is provided”.

(6) Section 2869(d)(3) is amended—

(A) in the first sentence, by striking “after
a period of 21 days” and all that follows
through the end of the sentence and inserting
the following: “after the end of the 14-day pe-
period beginning on the date of the submission of
the notice in an electronic medium pursuant to
section 480 of this title.”; and

(B) in the second sentence, by striking
“only after” and all that follows through the
end of the sentence and inserting the following:
“only after the end of the 45-day period begin-
ing on the date of the submission of the notice
in an electronic medium pursuant to section
480 of this title.”

(d) ALTERNATIVE AUTHORITY FOR ACQUISITION
AND IMPROVEMENT OF MILITARY HOUSING.—Subchapter
IV of chapter 169 of title 10, United States Code, is
amended as follows:

(1) Section 2881a(d)(2) is amended by insert-
ing after “Congress” the following: “in an electronic
medium pursuant to section 480 of this title”.

(2) Section 2883(f) is amended—

(A) by striking “30-day period” and in-
serting “14-day period”;

(B) by striking “written”; and

(C) by striking “or, if earlier, the end of
the 14-day period beginning on the date on
which a copy of the notice and justification is
provided”.

1423
Section 2884(a) is amended by striking paragraph (4) and inserting the following new paragraph:

“(4) The report shall be submitted in an electronic medium pursuant to section 480 of this title not later than 21 days before the date on which the Secretary issues the contract solicitation or offers the conveyance or lease.”.

Section 2885 is amended—

(A) in subsection (a)(4)(B)—

(i) by inserting after “notify” the following: “, in an electronic medium pursuant to section 480 of this title,”; and

(ii) by striking “, and shall provide” and inserting “and include”; and

(B) in subsection (d), by inserting after “submit” the following: “, in an electronic medium pursuant to section 480 of this title,.”.

Energy Security Activities.—Chapter 173 of title 10, United States Code, is amended as follows:

(1) Section 2914(b)(1) is amended—

(A) by striking “in writing”;

(B) by striking “21-day period” and inserting “14-day period”; and
(C) by striking “or, if earlier, the end of the 14-day period beginning on the date on which a copy of the notification is provided”.

(2) Section 2916(c) is amended—

(A) by striking “in writing”;

(B) by striking “21-day period” and inserting “14-day period”; and

(C) by striking “or, if earlier, the end of the 14-day period beginning on the date on which a copy of the notification is provided”.

(f) MILITARY CONSTRUCTION CARRIED OUT USING BURDEN SHARING CONTRIBUTIONS.—Section 2350j(e)(2) of title 10, United States Code, is amended—

(1) by striking “21-day period” and inserting “14-day period”; and

(2) by striking “or, if earlier, the end of the 14-day period beginning on the date on which a copy of the report is provided”.

(g) ACQUISITION OF FACILITIES FOR RESERVE COMPONENTS BY EXCHANGE.—Section 18240(f)(2) of title 10, United States Code, is amended—

(1) by striking “30-day period” and inserting “21-day period”; and
(2) by striking “or, if earlier, the end of the 21-day period beginning on the date on which a copy of the report is provided”.

SEC. 2802. MODIFICATION OF THRESHOLDS APPLICABLE TO UNSPECIFIED MINOR CONSTRUCTION PROJECTS.

(a) INCREASE IN THRESHOLD; UNIFORM THRESHOLD FOR ALL PROJECTS.—Section 2805(a)(2) of title 10, United States Code, is amended—

(1) in the first sentence, by striking “$3,000,000” and inserting “$6,000,000”; and

(2) by striking the second sentence.

(b) APPROVAL BY SECRETARY CONCERNED.—Section 2805(b)(1) of such title is amended by striking “$1,000,000” and inserting “$750,000”.

(c) CONGRESSIONAL NOTIFICATION.—Section 2805(b)(2) of such title is amended by striking “to which paragraph (1) is applicable” and inserting “to which paragraph (1) is applicable and which costs more than $2,000,000”.

(d) USE OF OPERATION AND MAINTENANCE FUNDS.—Section 2805(c) of such title is amended by striking “$1,000,000” and inserting “$2,000,000”.

SEC. 2803. ANNUAL LOCALITY ADJUSTMENT OF DOLLAR
THRESHOLDS APPLICABLE TO UNSPECIFIED
MINOR MILITARY CONSTRUCTION AUTHORI-
TIES.

Section 2805 of title 10, United States Code, is
amended by adding at the end the following new sub-
section:

“(f) ADJUSTMENT OF DOLLAR LIMITATIONS FOR LO-
CATION.—

“(1) ADJUSTMENT OF LIMITATIONS.—Each fis-
cal year, the Secretary concerned shall adjust the
dollar limitations specified in this section applicable
to an unspecified minor military construction project
inside the United States to reflect the area construc-
tion cost index for military construction projects
published by the Department of Defense during the
prior fiscal year for the location of the project, ex-
cept that no limitation specified in this section may
exceed $10,000,000 as the result of any adjustment
made under this paragraph.

“(2) LOCATION OF PROJECTS.—For purposes
of paragraph (1), a project shall be considered to be
inside the United States if the project is carried out
in any of the several States, the District of Colum-
bria, the Commonwealth of Puerto Rico, Guam,
American Samoa, the United States Virgin Islands,
or the Commonwealth of the Northern Mariana Islands.

“(3) SUNSET.—The requirements of this subsection shall not apply with respect to any fiscal year after fiscal year 2022.”.

SEC. 2804. EXTENSION OF TEMPORARY, LIMITED AUTHORITY TO USE OPERATION AND MAINTENANCE FUNDS FOR CONSTRUCTION PROJECTS OUTSIDE THE UNITED STATES.


(1) in paragraph (1), by striking “December 31, 2017” and inserting “December 31, 2018”; and

(2) in paragraph (2), by striking “fiscal year 2018” and inserting “fiscal year 2019”.

(b) Limitation on Use of Authority.—Subsection (c)(1) of such section is amended—

(1) by striking “October 1, 2016” and inserting “October 1, 2017”;
1429

(2) by striking “December 31, 2017” and inserting “December 31, 2018”; and

(3) by striking “fiscal year 2018” and inserting “fiscal year 2019”.

SEC. 2805. USE OF OPERATION AND MAINTENANCE FUNDS FOR MILITARY CONSTRUCTION PROJECTS TO REPLACE FACILITIES DAMAGED OR DESTROYED BY NATURAL DISASTERS OR TERRORISM INCIDENTS.

(a) AUTHORIZING USE OF FUNDS.—Section 2854 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(c)(1) In using the authority described in subsection (a) to carry out a military construction project to replace a facility, including a family housing facility, that has been damaged or destroyed, the Secretary concerned may use appropriations available for operation and maintenance if—

“(A) the damage or destruction to the facility was the result of a natural disaster or a terrorism incident; and

“(B) the Secretary submits a notification to the appropriate committees of Congress of the decision to carry out the replacement project, and includes in the notification—
“(i) the current estimate of the cost of the replacement project;

“(ii) the source of funds for the replacement project;

“(iii) in the case of damage to a facility rather than destruction, a certification that the replacement project is more cost-effective than repair or restoration; and

“(iv) a certification that deferral of the replacement project for inclusion in the next Military Construction Authorization Act would be inconsistent with national security or the protection of health, safety, or environmental quality, as the case may be.

“(2) A replacement project under this subsection may be carried out only after the end of the 7-day period beginning on the date on which a copy of the notification described in paragraph (1) is provided in an electronic medium pursuant to section 480 of this title.

“(3) The maximum aggregate amount that the Secretary concerned may obligate from appropriations available for operation and maintenance in any fiscal year for replacement projects under the authority of this subsection is $50,000,000.”.
(b) CONFORMING AMENDMENT.—Subsection (b) of section 2854 of such title, as amended by section 2801(c)(2), is amended by striking “under this section” and inserting “under subsection (a)”.

SEC. 2806. ANNUAL REPORT ON UNFUNDED REQUIREMENTS FOR LABORATORY MILITARY CONSTRUCTION PROJECTS.

The Under Secretary of Defense for Research and Engineering, in coordination with the Assistant Secretary of Defense for Energy, Installations, and Environment, shall submit to the congressional defense committees each year, at the time the budget of the President for the fiscal year beginning in such year is submitted to Congress under section 1105(a) of title 31, United States Code, a reporting listing unfunded requirements on major and minor military construction projects for Department of Defense science and technology laboratories and facilities and test and evaluation facilities, and shall include a Department of Defense Form DD1391 for each major and minor military construction project included in the report.
Subtitle B—Real Property and Facilities Administration

SEC. 2811. ELIMINATION OF WRITTEN NOTICE REQUIREMENT FOR MILITARY REAL PROPERTY TRANSACTIONS AND RELIANCE ON ELECTRONIC SUBMISSION OF NOTIFICATIONS AND REPORTS.

(a) General Real Property Transaction Report.—Section 2662(a) of title 10, United States Code, is amended by amending paragraph (3) to read as follows:

“(3) The authority of the Secretary concerned to enter into a transaction described in paragraph (1) commences only after the end of the 14-day period beginning on the first day of the first month beginning on or after the date on which the report containing the facts concerning such transaction, and all other such proposed transactions for that month, is provided in an electronic medium pursuant to section 480 of this title.”.

(b) Acquisition of Interests in Land When Need Is Urgent.—Section 2663(d)(2) of title 10, United States Code, is amended—

(1) by inserting after “submit” the following: “,
in an electronic medium pursuant to section 480 of this title,”; and
(2) by striking “written notice” and inserting “a notice”.

(c) Acquisition of Land by Condemnation for Certain Military Purposes.—Section 2663(f)(2) of title 10, United States Code, is amended by striking “or, if over sooner, the end of the 14-day period beginning on the date on which a copy of the report is provided”.

(d) Exceptions to Limitations on Land Acquisition Reduction in Scope or Increase in Cost.—Section 2664(d) of title 10, United States Code, is amended—

(1) by striking “written”;

(2) by striking “a period of 21 days elapses from” and inserting “the end of the 14-day period beginning on”; and

(3) by striking “or, if over sooner, a period of 14 days elapses from the date on which a copy of that notification is provided”.

(e) Leases of Non-excess Defense Property.—Section 2667(d)(3) of title 10, United States Code, is amended by striking “provide to the congressional defense committees written notice” and inserting “submit, in an electronic medium pursuant to section 480 of this title, to the congressional defense committees a notice”.

(f) Maintenance and Repair and Jurisdiction Over Facilities for Defense Agencies.—Section
2682(c)(2) of title 10, United States Code, is amended by striking “to the appropriate congressional committees written notification” and inserting “, in an electronic medium pursuant to section 480 of this title, to the appropriate congressional committees a notice”.

(g) AGREEMENTS TO LIMIT ENCROACHMENTS AND OTHER CONSTRAINTS ON MILITARY TRAINING, TESTING, AND OPERATIONS.—Section 2684a(d)(4)(D) of title 10, United States Code, is amended—

(1) in clause (i), by striking “provides written notice” and inserting “submits, in an electronic medium pursuant to section 480 of this title, a notice”;

and

(2) in clause (ii), by striking “14 days” and all that follows through the end of the clause and inserting the following: “10 days after the date on which the notice is submitted under clause (i).”.

(h) CONVEYANCE OF SURPLUS REAL PROPERTY FOR NATURAL RESOURCE CONSERVATION.—Section 2694a of title 10, United States Code, is amended by striking subsection (e) and inserting the following new subsection:

“(e) NOTICE AND WAIT REQUIREMENTS.—The Secretary concerned may not approve of the reconveyance of real property under subsection (c) or grant the release of a covenant under subsection (d) until after the end of the
14-day period beginning on the date on which the Secretary submits, in an electronic medium pursuant to section 480 of this title, to the appropriate committees of Congress a notice of the proposed reconveyance or release.”.

SEC. 2812. CERTIFICATION RELATED TO CERTAIN ACQUISITIONS OR LEASES OF REAL PROPERTY.

Section 2662(a) of title 10, United States Code, is amended—

(1) in paragraph (2), by striking the period at the end of the first sentence and inserting the following: “, as well as the certification described in paragraph (5).”; and

(2) by adding at the end the following:

“(5) For purposes of paragraph (2), the certification described in this paragraph with respect to an acquisition or lease of real property is a certification that the Secretary concerned—

“(A) evaluated the feasibility of using space in property under the jurisdiction of the Department of Defense to satisfy the purposes of the acquisition or lease; and

“(B) determined that—

“(i) space in property under the jurisdiction of the Department of Defense is not rea-
reasonably available to be used to satisfy the purposes of the acquisition or lease;

“(ii) acquiring the property or entering into the lease would be more cost-effective than the use of the Department of Defense property;

or

“(iii) the use of the Department of Defense property would interfere with the ongoing military mission of the property.”.

SEC. 2813. INCREASED TERM LIMIT FOR INTERGOVERNMENTAL SUPPORT AGREEMENTS TO PROVIDE INSTALLATION SUPPORT SERVICES.

Section 2679(a)(2)(A) of title 10, United States Code, is amended by striking “five years” and inserting “ten years”.

SEC. 2814. AUTHORIZING REIMBURSEMENT OF STATES FOR COSTS OF SUPPRESSING WILDFIRES CAUSED BY DEPARTMENT OF DEFENSE ACTIVITIES ON STATE LANDS; RESTORATION OF LANDS OF OTHER FEDERAL AGENCIES FOR DAMAGE CAUSED BY DEPARTMENT OF DEFENSE VEHICLE MISHAPS.

(a) Authorities.—Section 2691 of title 10, United States Code, is amended—
(1) in subsection (a), by striking “or lease” each place it appears;

(2) in subsection (b), by striking “or lease”;

(3) in subsection (c), by striking “lease,”; and

(4) by adding at the end the following new sub-
sections:

“(d) WILDLAND FIRES ON STATE LAND.—The Sec-
retary of Defense may, in any lease, permit, license, or
other grant of access for use of lands owned by a State,
agree to reimburse the State for the reasonable costs of
the State in suppressing wildland fires caused by the ac-
tivities of the Department of Defense under such lease,
permit, license, or other grant of access.

“(e) RESTORATION OF LAND DAMAGED BY MIS-
HAP.—(1) When land under the administrative jurisdic-
tion of a Federal agency that is not a part of the Depart-
ment of Defense is damaged as the result of a mishap
involving a vessel, aircraft, or vehicle of the Department
of Defense, the Secretary of Defense may, with the con-
sent of the Federal agency, restore the land.

“(2) When land under the administrative jurisdiction
of the Department of Defense or a military department
is damaged as the result of a mishap involving a vessel,
aircraft, or vehicle of a Federal agency that is not a part
of the Department of Defense, the head of the Federal
agency under whose control the vessel, aircraft, or vehicle
was operating may, with the consent of the Department
of Defense, restore the land.”.

(b) CONFORMING AMENDMENTS.—Such section is
further amended—

(1) in the heading, by striking “LEASE” and
inserting “DAMAGED BY MISHAP; REIMBURSE-
MENT OF STATE COSTS OF FIGHTING
WILDLAND FIRES”;

(2) in subsection (a), by striking “(a) The Sec-
retary” and inserting “(a) RESTORATION OF OTHER
AGENCY LAND USED BY PERMIT.—The Secretary”;

(3) in subsection (b), by striking “(b) Unless”
and inserting “(b) SCREENING FOR USE OF IM-
PROVED LAND.—Unless”; and

(4) in subsection (e), by striking “(e)(1) As a
condition” and inserting “(e) RESTORATION OF DE-
PARTMENT OF DEFENSE LAND USED BY OTHER
AGENCY.—(1) As a condition”.

(e) CLERICAL AMENDMENT.—The table of sections
of chapter 159 of such title is amended by amending the
item relating to section 2691 to read as follows:

“2691. Restoration of land used by permit or damaged by mishap; reimburse-
ment of State costs of fighting wildland fires.”.
SEC. 2815. CRITERIA FOR EXCHANGES OF PROPERTY AT MILITARY INSTALLATIONS.

Paragraph (2) of section 2869(a) of title 10, United States Code, is amended to read as follows:

“(2) Paragraph (1) applies with respect to real property under the jurisdiction of the Secretary concerned—

“(A) that is located on a military installation that is closed or realigned under a base closure law; or

“(B) that is located on a military installation not covered by subparagraph (A) and for which the Secretary concerned makes a determination that the conveyance under paragraph (1) is advantageous to the United States.”.

SEC. 2816. LAND EXCHANGE VALUATION OF PROPERTY WITH REDUCED DEVELOPMENT THAT LIMITS ENCROACHMENT ON MILITARY INSTALLATIONS.

Subsection (b) of section 2869 of title 10, United States Code, is amended to read as follows:

“(b) CONDITIONS ON CONVEYANCE AUTHORITY.—

(1) The fair market value of the land to be obtained by the Secretary concerned under subsection (a) in exchange for the conveyance of real property by the Secretary under such subsection shall be at least equal to the fair market value of the conveyed real property, as determined by the
Secretary. If the fair market value of the land is less than
the fair market value of the real property to be conveyed,
the recipient of the property shall pay to the United States
an amount equal to the difference in the fair market val-
ues.

“(2) In the case of a conveyance of real property to
a political subdivision of a State, the value of the real
property to be conveyed by the Secretary concerned under
subsection (a) may exceed the fair market value of the
land to be obtained, as determined under paragraph (1),
by an amount not to exceed the reduction in value of the
land which is attributable to voluntary zoning actions
taken by such political subdivision to limit encroachment
on a military installation, but only if the notice required
by subsection (d)(2) contains—

“(A) a certification by the Secretary concerned
that the military value to the United States of the
land to be acquired justifies a payment in excess of
the fair market value; and

“(B) a description of the military value to be
obtained.”.

SEC. 2817. REQUIREMENTS FOR WINDOW FALL PREVEN-
TION DEVICES IN MILITARY FAMILY HOUS-
ING.

(a) REQUIREMENT.—

1440
(1) IN GENERAL.—Chapter 169 of title 10, United States Code, is amended by inserting after section 2878 the following new section:

§ 2879. Window fall prevention devices in military family housing units

“(a) REQUIRING USE OF DEVICES ON CERTAIN WINDOWS.—

“(1) REQUIREMENT.—The Secretary concerned shall ensure that if a window in any military family housing unit acquired or constructed under this chapter is described in subsection (b), including a window designed for emergency escape or rescue, the window is equipped with fall prevention devices that protect against unintentional window falls by young children and that are in compliance with applicable International Building Code (IBC) standards.

“(2) EFFECTIVE DATE.—Paragraph (1) shall apply with respect to the following military family housing units:

“(A) A unit for which the contract for the construction of the unit is first entered into on or after the date of the enactment of this section.

“(B) Any other unit which is subject to a whole-house renovation project for which the
contract is entered into on or after September 1, 2018.

“(b) WINDOWS DESCRIBED.—A window is described in this subsection if the bottom sill of the window is within 24 inches of the floor, as measured in the interior of the unit, and is more than 72 inches above the ground, as measured on the exterior grade of the building.

“(c) RECORD OF INCIDENTS; ANNUAL REPORT.—The Secretary concerned shall keep a record of each incident (as defined in Department of Defense Instruction 6055.7 series) in which a minor child is injured or killed as the result of an unintentional window fall in a military family housing unit. Not later than 90 days after the end of each calendar year (beginning with 2017), the Secretary of Defense shall submit a report to the Committees on Armed Services of the House of Representatives and Senate on all such window falls occurring in the previous year.”.

(2) CLERICAL AMENDMENT.—The table of sections for chapter 169 of such title is amended by inserting after the item relating to section 2878 the following new item:

“2879. Window fall prevention devices in military family housing units.”.

(b) INDEPENDENT ASSESSMENT OF CHILD SAFETY IN MILITARY FAMILY HOUSING UNITS.—
(1) ASSESSMENT.—The Secretary of Defense shall enter into an agreement with an independent entity with experience in performing technical evaluations of the compliance of housing units with the codes and standards of the International Code Council and other relevant codes and standards to conduct and to submit to the Secretary and the congressional defense committees an assessment of child safety issues in military family housing units, with an emphasis on assessing hazards that may result in falls.

(2) RECOMMENDATIONS.—The independent entity conducting the assessment under paragraph (1) shall include in the assessment such recommendations for modifications to military family housing unit standards as the entity considers appropriate for ensuring the safety of minor children in such units.

(3) DEADLINE.—Under the agreement entered into under paragraph (1), the independent entity conducting the assessment under such paragraph shall submit the assessment to the Secretary and the congressional defense committees not later than 1 year after the date of the enactment of this Act.
SEC. 2818. PROHIBITING USE OF UPDATED ASSESSMENT OF PUBLIC SCHOOLS ON DEPARTMENT OF DEFENSE INSTALLATIONS TO SUPERSEDE FUNDING OF CERTAIN PROJECTS.

(a) Prohibiting Use of Updated Assessment to Supercede Funding of Certain Public School Projects.—Subsection (a) of section 2814 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2717) is amended by adding at the end the following new paragraph:

“(3) Prohibiting use of updated assessment to supercede funding of certain remaining projects.—In determining which projects will be funded under the programs described in paragraph (2), the Secretary may not, on the basis of the updated assessment described in paragraph (1), supersede the funding of any of the remaining projects which were included among the 33 projects for which Secretary assigned the highest priority for receiving funds under the assessment of the capacity and facility condition deficiencies of elementary and secondary public schools on military installations conducted by the Secretary in July 2011 under section 8109 of the Department of Defense and Full-Year Continuing Appropriations Act, 2011 (Public Law 112–10; 125 Stat. 82).”.
(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect as if included in the enactment of the National Defense Authorization Act for Fiscal Year 2017.

SEC. 2819. ACCESS TO MILITARY INSTALLATIONS BY TRANSPORTATION NETWORK COMPANIES.

Section 346 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended—

(1) in the section heading, by inserting “AND TRANSPORTATION NETWORK COMPANIES” after “TRANSPORTATION COMPANIES”;

(2) in subsections (b), (c), and (d), by inserting “or transportation network company” after “transportation company” each places it appears;

(3) in subsection (b)(7), by inserting “and transportation network companies” after “transportation companies”; and

(4) in subsection (d)—

(A) by redesignating paragraph (2) as paragraph (3);

(B) by striking paragraph (1) and inserting the following new paragraphs:

“(1) TRANSPORTATION COMPANY.—The term ‘transportation company’ means a corporation, part-
nership, sole proprietorship, or other entity outside
of the Department of Defense that provides a com-
mercial transportation service to a rider.

“(2) TRANSPORTATION NETWORK COMPANY.—
The term ‘transportation network company’—

“(A) means a corporation, partnership,
sole proprietorship, or other entity, that uses a
digital network to connect riders to covered
drivers in order for the driver to transport the
rider using a vehicle owned, leased, or otherwise
authorized for use by the driver to a point cho-
sen by the rider; and

“(B) does not include a shared-expense
carpool or vanpool arrangement that is not in-
tended to generate profit for the driver.”; and

(C) in subparagraph (A)(i) of paragraph
(3), as redesignated by subparagraph (A) of
this paragraph, by inserting “or transportation
network company” after “transportation com-
pany”.


Subtitle C—Project Management and Oversight Reforms

SEC. 2821. NOTIFICATION REQUIREMENT FOR CERTAIN COST INCREASES.

Section 2853 of title 10, United States Code, is amended—

(1) by redesignating subsection (f) as subsection (g);

(2) by inserting after subsection (e) the following new subsection:

“(f)(1) In addition to the notification sent under paragraph (1) of subsection (e) of a cost increase with respect to a project, the Secretary concerned shall provide an additional report notifying the congressional defense committees and the Comptroller General of the United States of any military construction project or military family housing project with a total authorized cost greater than $40,000,000 that has a cost increase of 25 percent or more.

“(2) The report under paragraph (1) shall include the following—

“(A) A description of the specific reasons for the cost increase and the specific organizations and individuals responsible.
“(B) A description of any ongoing or completed proceedings or investigation into a government employee, prime contractor, subcontractor, or non-governmental organization that may be responsible for the cost increase, and the status of such proceeding or investigation.

“(C) If any proceeding or investigation identified in subparagraph (B) resulted in final judicial or administrative action, the following:

“(i) In the case of a judicial or administrative action taken against a government employee, the report shall identify the individual’s organization, position within the organization, and the action taken against the individual, but shall exclude personally identifiable information about the individual.

“(ii) In the case of a judicial or administrative action taken against a prime contractor, subcontractor, or non-governmental organization, the report shall identify the prime contractor, subcontractor, or non-governmental organization and the action taken against the prime contractor, subcontractor, or non-governmental organization.
“(D) A summary of any changes the Secretary concerned believes may be required to the organizational structure, project management and oversight practices, policy, or authorities of a government organization involved in military construction projects as a result of problems identified and lessons learned from the project.

“(3) If any proceeding or investigation described in paragraph (2)(C) is still ongoing at the time the Secretary concerned submits the report under paragraph (1), the Secretary shall provide a supplemental report to the congressional defense committees and the Comptroller General of the United States not later than 30 days after such proceeding or investigation has been completed. If such proceeding or investigation resulted in final judicial or administrative action against a government employee, prime contractor, subcontractor, or non-governmental organization, the Secretary shall include in the supplemental report the information required by paragraph (2)(C).

“(4) Each report under this subsection shall be co-signed by the senior engineer authorized to supervise military construction projects and military family housing projects under section 2851(a).

“(5) The Secretary shall send the report required under paragraph (1) with respect to a project not later
than 180 days after the Secretary sends to the appropriate committees of Congress the notification under paragraph (1) of subsection (c) of a cost increase with respect to the project.

“(6) The Comptroller General of the United States shall review each report submitted under this subsection and validate or correct as necessary the information provided.”; and

(3) in subsection (g), as redesignated by paragraph (1), by striking “subsections (a) through (e)” and inserting “subsections (a) through (f)”.

SEC. 2822. ANNUAL REPORT ON SCHEDULE DELAYS.

Section 2851 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(d) ANNUAL REPORT ON SCHEDULE DELAYS.—Not later than March 1 of each year (beginning with 2018), the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and Senate a report on each military construction project or military family housing project for which, as of the end of the most recent fiscal year, the estimated completion date is more than 1 year later than the completion date proposed at the time the contract for the project was awarded.”.
SEC. 2823. REPORT ON DESIGN ERRORS AND OMISSIONS RELATED TO FORT BLISS HOSPITAL REPLACEMENT PROJECT.

(a) REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Inspector General of the Department of Defense shall submit to the congressional defense committees a report on design errors and omissions related to the hospital replacement project at Fort Bliss, Texas.

(b) ELEMENTS.—The report required under subsection (a) shall include the following elements:

(1) A detailed description of the specific “design errors” and “omissions” that resulted in the cost increase for the hospital replacement project.

(2) A description of the specific actions taken to prevent further schedule delays and cost increases on this project as well as lessons learned that will be applied to future hospital projects.

(3) A description of any ongoing or completed proceedings or investigation into a government employee, prime contractor, subcontractor, or non-governmental organization that may be responsible for the delay and cost increases, and the status of such proceeding or investigation.
(4) If any proceeding or investigation identified in paragraph (3) resulted in final judicial or administrative action, the following:

(A) In the case of a judicial or administrative action taken against a government employee, the report shall identify the individual’s organization, name, position within the organization, and the action taken against the individual.

(B) In the case of a judicial or administrative action taken against a prime contractor, subcontractor, or non-governmental organization, the report shall identify the prime contractor, subcontractor, or non-governmental organization and the action taken against the prime contractor, subcontractor, or non-governmental organization.

(5) A summary of any changes the Inspector General believes may be required to the organizational structure, project management and oversight practices, policy, or authorities of a government organization involved in military construction projects as a result of problems identified and lessons learned from this project.
(c) **Supplemental Report on Ongoing Proceedings and Investigations.**—If any proceeding or investigation described in subsection (b)(3) is still ongoing at the time the Inspector General submits the report required by subsection (a), the Inspector General shall provide a supplemental report to the congressional defense committees not later than 30 days after such proceeding or investigation has been completed. If such proceeding or investigation resulted in final judicial or administrative action against a government employee, prime contractor, subcontractor, or non-governmental organization, the Inspector General shall include in the supplemental report the information required by subsection (b)(4).

**SEC. 2824. Report on Cost Increase and Delay Relating to USSTRATCOM Command and Control Facility Project at Offutt Air Force Base.**

(a) **In General.**—Not later than 180 days after the date of the enactment of this Act, the Inspector General of the Department of Defense shall submit to the congressional defense committees a report on design errors and omissions related to the construction of the USSTRATCOM command and control facility project at Offutt Air Force Base.
(b) ELEMENTS.—The report required under subsection (a) shall include the following elements:

(1) The identification of the specific reasons that have been used to explain the 16-month schedule delay and 10 percent cost increase for the project.

(2) A description of the specific actions taken to prevent further schedule delays and cost increases on this project as well as lessons learned that will be applied to future projects.

(3) A description of any ongoing or completed proceedings or investigation into a government employee, prime contractor, subcontractor, or non-governmental organization that may be responsible for the delay and cost increases, and the status of such proceeding or investigation.

(4) If any proceeding or investigation identified in paragraph (3) resulted in final judicial or administrative action, the following:

(A) In the case of a judicial or administrative action taken against a government employee, the report shall identify the individual’s organization, name, position within the organization, and the action taken against the individual.
(B) In the case of a judicial or administrative action taken against a prime contractor, subcontractor, or non-governmental organization, the report shall identify the prime contractor, subcontractor, or non-governmental organization and the action taken against the prime contractor, subcontractor, or non-governmental organization.

(5) A summary of any changes the Inspector General believes may be required to the organizational structure, project management and oversight practices, policy, or authorities of a government organization involved in military construction projects as a result of problems identified and lessons learned from this project.

(e) **Supplemental Report on Ongoing Proceedings and Investigations.**—If any proceeding or investigation described in subsection (b)(3) is still ongoing at the time the Inspector General submits the report required by subsection (a), the Inspector General shall provide a supplemental report to the congressional defense committees not later than 30 days after such proceeding or investigation has been completed. If such proceeding or investigation resulted in final judicial or administrative action against a government employee, prime contractor,
subcontractor, or non-governmental organization, the Inspector General shall include in the supplemental report the information required by subsection (b)(4).

**Subtitle D—Energy Resilience**

**SEC. 2831. ENERGY RESILIENCE.**

(a) **IN GENERAL.—**Section 2911 of title 10, United States Code, is amended—

1. in the section heading, by striking “performance goals and master plan for” and inserting “policy of”;
2. by redesignating subsections (a), (b), (c), (d), and (e) as subsections (c), (d), (e), (f), and (g) respectively;
3. by inserting before subsection (c), as redesignated by paragraph (2), the following new subsections:

   “(a) GENERAL ENERGY POLICY.—The Secretary of Defense shall ensure the readiness of the armed forces for their military missions by pursuing energy security and energy resilience.

   “(b) AUTHORITIES.—In order to achieve the policy set forth in subsection (a), the Secretary of Defense may—
“(1) require the Secretary of a military department to establish and maintain an energy resilience master plan for an installation;

“(2) authorize the use of energy security and energy resilience, including the benefits of on-site generation resources that reduce or avoid the cost of backup power, as factors in the cost-benefit analysis for procurement of energy; and

“(3) in selecting facility energy projects that will use renewable energy sources, pursue energy security and energy resilience by giving favorable consideration to projects that provide power directly to a military facility or into the installation electrical distribution network.”;

(4) in subsection (e), as redesignated by paragraph (2)—

(A) in paragraph (1), by inserting “, the future demand for energy, and the requirement for the use of energy” after “energy”;

(B) by amending paragraph (2) to read as follows:

“(2) Opportunities to enhance energy resilience to ensure the Department of Defense has the ability to prepare for and recover from energy disruptions
G:\CMTE\AS\18\C\ASCR18.XML

1458
1

that impact mission assurance on military installa-

2

tions.’’; and

3

(C) by adding at the end the following new

4

paragraph:

5

‘‘(13) Opportunities to leverage third-party fi-

6

nancing to address installation energy needs.’’.

7

(b) CLERICAL AMENDMENT.—The table of sections

8 at the beginning of chapter 173 is amended by striking
9 the item relating to section 2911 and inserting the fol10 lowing new item:
‘‘2911. Energy policy of the Department of Defense.’’.

11

(c) CONFORMING AMENDMENTS.—Chapter 173 of

12 title 10, United States Code, is amended—
13

(1) in section 2914, by striking ‘‘energy resil-

14

iency’’ each place it appears and inserting ‘‘energy

15

resilience’’;

16

(2) in section 2915—

17

(A) by striking ‘‘subsection (c)’’ each place

18

it appears and inserting ‘‘subsection (e)’’; and

19

(B) in subsection (e)(2)(C), by striking

20

‘‘2911(b)(2)’’ and inserting ‘‘2911(d)(2)’’;

21

(3)

22

19:01 Nov 07, 2017

2916(b)(2),

by

striking

(4) in section 2922b(a), by striking ‘‘subsection
(c)’’ and inserting ‘‘subsection (e)’’;

g:\VHLC\110717\110717.369.xml
November 7, 2017 (7:01 p.m.)
VerDate Nov 24 2008

section

‘‘2911(b)’’ and inserting ‘‘2911(c)’’;

23
24

in

Jkt 000000

(680035|3)
PO 00000

Frm 01458

Fmt 6652

Sfmt 6201

C:\USERS\HCROSS\APPDATA\ROAMING\SOFTQUAD\XMETAL\7.0\GEN\C\ASCR18.XML


(5) in section 2922f(a), by striking “subsection (e)” and inserting “subsection (e)”; 

(6) in section 2924—

(A) by striking paragraph (3); and 

(B) by redesignating paragraphs (4), (5), (6), and (7) as paragraphs (3), (4), (5), and (6), respectively; and 

(7) in section 2925(a)—

(A) in the heading, by striking “RESILIENCE” and inserting “ENERGY RESILIENCE”; 

and 

(B) in paragraph (1), by striking “2911(e)” and inserting “2911(g)”. 

(d) DEFINITIONS FOR ENERGY RESILIENCE AND ENERGY SECURITY.—Section 101(e) of title 10, United States Code, is amended by adding at the end the following new paragraphs:

“(6) ENERGY RESILIENCE.—The term ‘energy resilience’ means the ability to avoid, prepare for, minimize, adapt to, and recover from anticipated and unanticipated energy disruptions in order to ensure energy availability and reliability sufficient to provide for mission assurance and readiness, including task critical assets and other mission essential
operations related to readiness, and to execute or rapidly reestablish mission essential requirements.

“(7) ENERGY SECURITY.—The term ‘energy security’ means having assured access to reliable supplies of energy and the ability to protect and deliver sufficient energy to meet mission essential requirements.”.

SEC. 2832. AUTHORITY TO USE ENERGY COST SAVINGS FOR ENERGY RESILIENCE, MISSION ASSURANCE, AND WEATHER DAMAGE REPAIR AND PREVENTION MEASURES.

Section 2912(b)(1) of title 10, United States Code, is amended by striking “energy conservation and” and inserting “energy resilience, mission assurance, weather damage repair and prevention, energy conservation, and”.

SEC. 2833. CONSIDERATION OF ENERGY SECURITY AND ENERGY RESILIENCE IN AWARDING ENERGY AND FUEL CONTRACTS FOR MILITARY INSTALLATIONS.

Section 2922a of title 10, United States Code, is amended by adding at the end the following new subsection:

“(d) The Secretary concerned shall prioritize energy security and resilience.”.
SEC. 2834. REQUIREMENT TO ADDRESS ENERGY RESILIENCE IN EXERCISING UTILITY SYSTEM CONVEYANCE AUTHORITY.

Section 2688(g) of title 10, United States Code, is amended by adding at the end the following new paragraphs:

“(3) The Secretary concerned may require in any contract for the conveyance of a utility system (or part of a utility system) under subsection (a) that the conveyee manage and operate the utility system in a manner consistent with energy resilience requirements and metrics provided to the conveyee to ensure that the reliability of the utility system meets mission requirements.

“(4) The Secretary of Defense, in consultation with the Secretaries of the military departments, shall include in the installation energy report submitted under section 2925(a) of this title a description of progress in meeting energy resilience metrics for all conveyance contracts entered into pursuant to this section.”.

SEC. 2835. IN-KIND LEASE PAYMENTS; PRIORITIZATION OF UTILITY SERVICES THAT PROMOTE ENERGY RESILIENCE.

Section 2667(c)(1)(D) of title 10, United States Code, is amended by inserting “, which shall prioritize energy resilience in the event of commercial grid outages” after “Secretary concerned”.

November 7, 2017 (7:01 p.m.)
SEC. 2836. ANNUAL DEPARTMENT OF DEFENSE ENERGY
MANAGEMENT REPORTS.

Section 2925(a) of title 10, United States Code, is amended—

(1) in paragraph (1), by inserting before the period at the end the following: “, including progress on energy resilience at military installations according to metrics developed by the Secretary”;

(2) by amending paragraph (3) to read as follows:

“(3) Details of all utility outages impacting energy resilience at military installations (excluding planned outages for maintenance reasons), whether caused by on- or off-installation disruptions, including the total number and location of outage, the duration of the outage, the financial impact of the outage, whether or not the mission was impacted, the mission requirements associated with disruption tolerances based on risk to mission, the responsible authority managing the utility, and measure taken to mitigate the outage by the responsible authority.”;

(3) by redesignating paragraph (4) as paragraph (5); and

(4) by inserting after paragraph (3) the following new paragraph:
“(4) Details of a military installation’s total energy requirements and critical energy requirements, and the current energy resilience and emergency backup systems servicing critical energy requirements, including, at a minimum—

“(A) energy resilience and emergency backup system power requirements;

“(B) the critical missions, facility, or facilities serviced;

“(C) system service life;

“(D) capital, operations, maintenance, and testing costs; and

“(E) other information the Secretary determines necessary.”.

SEC. 2837. AGGREGATION OF ENERGY EFFICIENCY AND ENERGY RESILIENCE PROJECTS IN LIFE CYCLE COST ANALYSES.

The Secretary of Defense or the Secretary of a military department, when conducting life cycle cost analyses with respect to investments designed to lower costs and reduce energy and water consumption, shall aggregate energy efficiency projects and energy resilience improvements as appropriate.
Subtitle E—Land Conveyances

SEC. 2841. LAND EXCHANGE, NAVAL INDUSTRIAL RESERVE ORDNANCE PLANT, SUNNYVALE, CALIFORNIA.

(a) LAND EXCHANGE AUTHORIZED.—The Secretary of the Navy may convey to an entity (in this section referred to as the “Exchange Entity”) all right, title, and interest of the United States in and to the parcel of real property, including improvements thereon, comprising the Naval Industrial Reserve Ordnance Plant (NIROP) located in Sunnyvale, California in exchange for—

(1) real property, including improvements thereon, that will replace the NIROP and meet the readiness requirements of the Department of the Navy, as determined by the Secretary; and

(2) relocation of contractor and Government personnel and equipment from the NIROP to the replacement facilities.

(b) LAND EXCHANGE AGREEMENT.—

(1) IN GENERAL.—The exchange authorized under subsection (a) shall be governed by a land exchange agreement that identifies the property to be exchanged (including improvements thereon), the time period in which the exchange will occur, and
the roles and responsibilities of the Secretary and
the Exchange Entity in carrying out the exchange.

(2) Compliance with Environmental
Laws.—Nothing in this section shall be construed to
affect or limit the application of, or any obligation
to comply with, any environmental law, including the
Comprehensive Environmental Response, Compensation,

(c) Valuation; Cash Equalization Payment if
NIROP Value Exceeds Value of Exchanged Prop-
erty.—

(1) Valuation.—The values of the properties
to be exchanged by the Secretary and the Exchange
Entity under subsection (a) (including improvements
thereon) shall be determined by an independent ap-
praiser selected by the Secretary, and in accordance
with the Uniform Appraisal Standards for Federal
Land Acquisitions and the Uniform Standards of
Professional Appraisal Practice.

(2) Cash Equalization Payment.—If, as de-
termined in accordance with paragraph (1), the
value of the NIROP is greater than the combination
of the value of the property to be conveyed by the
Exchange Entity under subsection (a) and the relo-
cation costs covered by the Exchange Entity under
such subsection, the Exchange Entity shall make a cash equalization payment to the Secretary to equalize the values. Nothing in this paragraph may be construed to require the Secretary to make a cash equalization payment to the Exchange Entity if the value of the property to be conveyed by the Exchange Entity and the relocation costs covered by the Exchange Entity are greater than the value of the NIROP.

(d) Payment of Costs of Conveyance.—The Secretary shall require the Exchange Entity to pay costs incurred by the Department of the Navy to carry out the exchange authorized under subsection (a), including costs incurred for land surveys, environmental documentation, the review of replacement facilities design, real estate due diligence (including appraisals), preparing and executing the agreement described in subsection (b), and any other administrative costs related to the exchange. If amounts are collected from the Exchange Entity in advance of the Secretary incurring the actual costs and the amount collected exceeds the costs actually incurred by the Secretary to carry out the exchange under subsection (a), the Secretary shall refund the excess amount to the Exchange Entity.
1467

(e) TREATMENT OF AMOUNTS RECEIVED.—Amounts received under subsections (a), (e)(2), and (d) shall be used in accordance with section 2695(c) of title 10, United States Code.

(f) DESCRIPTION OF PROPERTY.—The exact legal description of the property, including acreage, to be exchanged under subsection (a) shall be determined by surveys satisfactory to the Secretary.

(g) RELATION TO OTHER MILITARY CONSTRUCTION REQUIREMENTS.—

(1) EXCLUSION FROM TREATMENT AS MILITARY CONSTRUCTION PROJECT.—The acquisition or disposition of any property pursuant to the exchange authorized under subsection (a) shall not be treated as a military construction project for which an authorization is required by section 2802 of title 10, United States Code, or for which reporting is required by section 2662 of such title.

(2) EXCLUSION OF REQUIREMENT FOR PRIOR SCREENING BY GENERAL SERVICES ADMINISTRATION FOR ADDITIONAL FEDERAL USE.—Section 2696(b) of title 10, United States Code, does not apply to the conveyance of any real property pursuant to the exchange authorized under subsection (a).
(h) ADDITIONAL TERMS AND CONDITIONS.—The Secretary may require such additional terms and conditions in connection with the exchange authorized under subsection (a) as the Secretary considers appropriate to protect the interests of the United States.

(i) SUNSET.—The authority provided to the Secretary to carry out the exchange under subsection (a) shall expire on October 1, 2023.

SEC. 2842. LAND CONVEYANCE, MOUNTAIN HOME AIR FORCE BASE, IDAHO.

(a) CONVEYANCE AUTHORIZED.—The Secretary of the Air Force may convey to the City of Mountain Home, Idaho (in this section referred to as the “City”), all right, title, and interest of the United States in and to a parcel of real property, including improvements thereon, consisting of approximately 4.25 miles of railroad spur located near Mountain Home Air Force Base, Idaho, as further described in subsection (c), for the purpose of economic development.

(b) CONSIDERATION.—

(1) CONSIDERATION REQUIRED.—As consideration for the land conveyed under subsection (a), the City shall pay to the Secretary an amount equal to the fair market value of the land, as determined by an appraisal approved by the Secretary. The City
shall provide an amount that is acceptable to the Secretary, whether by cash payment, in-kind consideration as described under paragraph (2), or a combination thereof.

(2) In-kind Consideration.—In-kind consideration provided by the City under paragraph (1) may include the acquisition, construction, provision, improvement, maintenance, repair, or restoration (including environmental restoration), or combination thereof, of any facility or infrastructure under the jurisdiction of the Secretary.

(3) Treatment of Consideration Received.—Consideration in the form of cash payment received by the Secretary under paragraph (1) shall be deposited in the separate fund in the Treasury described in section 572(a)(1) of title 40, United States Code.

(c) Map and Legal Description.—

(1) Finalizing Legal Descriptions.—As soon as practicable after the date of the enactment of this Act, the Secretary of the Air Force shall finalize a map and the legal description of the property to be conveyed under subsection (a).
(2) MINOR ERRORS.—The Secretary of the Air Force may correct any minor errors in the map or the legal description.

(3) AVAILABILITY.—The map and legal description shall be on file and available for public inspection.

(d) PAYMENT OF COSTS OF CONVEYANCE.—

(1) PAYMENT REQUIRED.—The Secretary may require the City to cover all costs (except costs for environmental remediation of the property) to be incurred by the Secretary, or to reimburse the Secretary for costs incurred by the Secretary, to carry out the conveyance under this section, including survey costs, costs for environmental documentation, and any other administrative costs related to the conveyance. If amounts are collected from the City in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out the conveyance, the Secretary shall refund the excess amount to the City.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received under paragraph (1) as reimbursement for costs incurred by the Secretary to carry out the conveyance under subsection (a) shall
be credited to the fund or account that was used to
cover the costs incurred by the Secretary in carrying
out the conveyance, or to an appropriate fund or ac-
count currently available to the Secretary for the
purposes for which the costs were paid. Amounts so
credited shall be merged with amounts in such fund
or account and shall be available for the same pur-
poses, and subject to the same conditions and limita-
tions, as amounts in such fund or account.

(e) USE RESERVATION.—The Secretary may reserve
a right to temporarily use, for urgent reasons of national
defense and at no cost to the United States, all or a por-
tion of the railroad spur conveyed under subsection (a).

(f) ADDITIONAL TERMS AND CONDITIONS.—The Sec-
retary may require such additional terms and conditions
in connection with the conveyance under subsection (a) as
the Secretary considers appropriate to protect the inter-
est of the United States.

SEC. 2843. LEASE OF REAL PROPERTY TO THE UNITED
STATES NAVAL ACADEMY ALUMNI ASSOCIA-
TION AND NAVAL ACADEMY FOUNDATION AT
UNITED STATES NAVAL ACADEMY, ANNAP-
OLIS, MARYLAND.

(a) AUTHORITY.—The Secretary of the Navy may
lease approximately 3 acres at the United States Naval
Academy in Annapolis, Maryland to the United States Naval Academy Alumni Association Inc. and the United States Naval Academy Foundation Inc. (hereafter referred to as the “lessees”), for the purpose of enabling the lessees to construct, operate, and maintain the Alumni Association and Foundation Center.

(b) DURATION OF LEASE.—At the option of the Secretary of the Navy, the lease entered into under this section shall be in effect for 50 years. Upon the expiration of the lease, the Secretary may extend the lease for such additional period as the Secretary may determine.

(c) PAYMENTS UNDER LEASE.—

(1) AMOUNT OF PAYMENTS BASED ON FAIR MARKET VALUE.—The Secretary of the Navy shall require the lessees to make payments under the lease entered into under this section, in cash or in the form of in-kind consideration, in an amount and form that reflects the fair market value of the lease as determined by the Secretary.

(2) PAYMENTS IN THE FORM OF IN-KIND CONSIDERATION.—

(A) TIMING.—To the extent that the lessees make payments under the lease in the form of in-kind consideration, such consideration may be paid as a lump-sum payment for the en-
tire lease term, or any part thereof, or in annual installments.

(B) DESCRIPTION OF IN-KIND CONSIDERATION.—The in-kind consideration paid under the lease—

(i) shall include the relocation of any Naval Support Activity Annapolis functions presently located on the land to be leased to alternate locations deemed sufficient by the Secretary; and

(ii) may include annual support (including cash, real property, or personal property) provided by the lessees after the date the lease is executed, to be used for the benefit of, or for use in connection with, the Naval Academy.

(d) RETENTION AND USE OF FUNDS.—Funds received under the lease entered into under this section may be retained for use in support of the Naval Academy and to cover expenses incurred by the Secretary of the Navy in managing the lease.

(e) LEASEBACK PROHIBITED.—During the period in which the lease entered into under this section is in effect, the Secretary of the Navy may not lease any of the space
constructed by the lessees on the property leased under this section.

(f) Payment of Costs of Entering Into and Managing Lease.—

(1) Payment Required.—The Secretary of the Navy shall require the lessees to cover the costs to be incurred by the Secretary, or to reimburse the Secretary for such costs incurred by the Secretary, in entering into and managing the lease under this section, including survey costs, costs for environmental documentation, and any other administrative costs related to the lease (as defined in section 2667 of title 10, United States Code). Any expenses incurred by the lessees pursuant to this provision may be considered in-kind consideration for purposes of subsection (c)(2) and may be credited against any payments due during the term of the lease.

(2) Treatment of Amounts Received.—Amounts received as reimbursement under paragraph (1) shall be credited to the fund or account that was used to cover those costs incurred by the Secretary in entering into and managing the lease. Amounts so credited shall be merged with amounts in such fund or account, and shall be available for the same purposes, and subject to the same condi-
tions and limitations, as amounts in such fund or account. If amounts are collected from the lessees in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary in entering into and managing the lease, the Secretary may refund the excess amount to the lessees.

(g) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the property to be leased under this section shall be determined by a survey satisfactory to the Secretary of the Navy, and may include property currently used for public purposes.

(h) ADDITIONAL TERMS AND CONDITIONS.—The Secretary of the Navy may require such additional terms and conditions in connection with the lease entered into under this section as the Secretary considers appropriate to protect the interests of the United States.

SEC. 2844. LAND CONVEYANCE, NATICK SOLDIER SYSTEMS CENTER, MASSACHUSETTS.

(a) CONVEYANCE AUTHORIZED.—The Secretary of the Army may sell and convey all right, title, and interest of the United States in and to parcels of real property, consisting of approximately 98 acres and improvements thereon, located in the vicinity of Hudson, Wayland, and Needham, Massachusetts, that are the sites of military
family housing supporting military personnel assigned to
the United States (U.S.) Army Natick Soldier Systems
Center.

(b) COMPETITIVE SALE REQUIREMENT.—The Sec-
retary shall use competitive procedures for the sale author-
ized by subsection (a).

(c) CONSIDERATION.—

(1) CONSIDERATION REQUIRED.—The Sec-
retary shall require as consideration for conveyance
under subsection (a), tendered by cash payment, an
amount equal to no less than the fair market value,
as determined by the Secretary, of the real property
and any improvements thereon.

(2) CASH PAYMENTS.—

(A) CASH PAYMENTS DEPOSITED IN A SPE-
cial account.—Cash payments provided as
consideration under this subsection shall be de-
posited in a special account in the Treasury es-

tablished for the Secretary.

(B) USE OF FUNDS IN SPECIAL AC-
count.—The Secretary is authorized to use
funds deposited in the special account estab-
lished under subparagraph (A) for—

(i) demolition of existing military fam-
ily housing on the U.S. Army Natick Sol-
dier Systems Center (other than housing
on property conveyed under subsection (a))
that the Secretary determines necessary to
accommodate construction of military fam-
ily housing or unaccompanied soldier hous-
ing to support military personnel assigned
to the U.S. Army Natick Soldier Systems
Center;

(ii) construction or rehabilitation of
military family housing or unaccompanied
soldier housing to support military per-
sonnel assigned to the U.S. Army Natick
Soldier Systems Center; or

(iii) construction of ancillary sup-
porting facilities (as that term is defined in
section 2871(1) of title 10, United States
Code) to support military personnel as-
signed to the U.S. Army Natick Soldier
Systems Center.

(C) **CASH CONSIDERATION NOT USED**
PRIOR TO OCTOBER 1, 2025.—Cash payments
provided as consideration under this subsection
that are received by the Secretary and not used
by the Secretary for purposes authorized by
subparagraph (B) prior to October 1, 2025,
shall be transferred to an account in the Treasury established pursuant to section 2883 of title 10, United States Code.

(d) Description of Parcels.—The exact acreage and legal description of the parcels to be conveyed under subsection (a) shall be determined by a survey that is satisfactory to the Secretary. The cost of the survey shall be borne by the recipient of the parcels.

(e) Additional Terms and Conditions.—The Secretary may require such additional terms and conditions in connection with the conveyance under subsection (a) as the Secretary considers appropriate to protect the interests of the United States.

(f) Inapplicability of Certain Provisions of Law.—The conveyance of property under this section shall not be subject to section 2696 of title 10, United States Code.

(g) Definition of Secretary.—In this section the term “Secretary” means the Secretary of the Army.

SEC. 2845. LAND EXCHANGE, NAVAL AIR STATION CORPUS CHRISTI, TEXAS.

(a) Land Exchange Authorized.—The Secretary of the Navy (in this section referred to as the “Secretary”) may convey to the City of Corpus Christi, Texas (in this section referred to as the “City”), all right, title, and in-
interest of the United States in and to a parcel of real property, including improvements thereon, consisting of approximately 44 acres known as the Peary Place Transmitter Site in Nueces County associated with Naval Air Station Corpus Christi, Texas.

(b) CONSIDERATION.—As consideration for the conveyance under subsection (a), the City shall convey to the Secretary its real property interests either adjacent or proximate, and causing an encroachment concern as determined by the Secretary, to Naval Air Station Corpus Christi, Naval Outlying Landing Field Waldron and Naval Outlying Landing Field Cabaniss.

(c) LAND EXCHANGE AGREEMENT.—The Secretary and the City may enter into a land exchange agreement to implement this section.

(d) VALUATION.—The value of each property interest to be exchanged by the Secretary and the City described in subsections (a) and (b) shall be determined—

(1) by an independent appraiser selected by the Secretary; and

(2) in accordance with the Uniform Appraisal Standards for Federal Land Acquisitions and the Uniform Standards of Professional Appraisal Practice.

(e) CASH EQUALIZATION PAYMENTS.—
(1) **TO THE SECRETARY.**—If the value of the property interests described in subsection (a) is greater than the value of the property interests described in subsection (b), the values shall be equalized through a cash equalization payment from the City to the Department of the Navy.

(2) **NO EQUALIZATION.**—If the value of the property interests described in subsection (b) is greater than the value of the property interests described in subsection (a), the Secretary shall not make a cash equalization payment to equalize the values.

(f) **PAYMENT OF COSTS OF CONVEYANCE.**—

(1) **PAYMENT REQUIRED.**—The Secretary shall require the City to pay costs to be incurred by the Secretary to carry out the exchange of property interests under this section, including those costs related to land survey, environmental documentation, real estate due diligence such as appraisals, and any other administrative costs related to the exchange of property interests to include costs incurred preparing and executing the land exchange agreement authorized under subsection (e). If amounts are collected from the City in advance of the Secretary incurring the actual costs and the amount collected ex-
ceeds the costs actually incurred by the Secretary to carry out the exchange of property interests, the Secretary shall refund the excess amount to the City.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received as reimbursement under paragraph (1) above shall be used in accordance with section 2695(c) of title 10, United States Code.

(g) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the property interests to be exchanged under this section shall be determined by surveys satisfactory to the Secretary.

(h) CONVEYANCE AGREEMENT.—The exchange of real property interests under this section shall be accomplished using an appropriate legal instrument and upon terms and conditions mutually satisfactory to the Secretary and the City, including such additional terms and conditions as the Secretary considers appropriate to protect the interests of the United States.

(i) EXEMPTION FROM SCREENING REQUIREMENTS FOR ADDITIONAL FEDERAL USE.—The authority under this section is exempt from the screening process required under section 2696(b) of title 10, United States Code.

(j) SUNSET PROVISION.—The authority under this section shall expire on October 1, 2019, unless the Sec-
Secretary and the City have signed a land exchange agreement described in subsection (c).

SEC. 2846. IMPOSITION OF ADDITIONAL CONDITIONS ON FUTURE USE OF CASTNER RANGE, FORT BLISS, TEXAS.

Section 2844 of the Military Construction Authorization Act for Fiscal Year 2013 (division B of Public Law 112–239; 126 Stat. 2157) is amended by adding at the end the following new subsection:

“(e) ADDITIONAL CONDITIONS ON FUTURE USE OF CASTNER RANGE.—

“(1) CONDITIONS.—To protect and conserve ecological, scenic, wildlife, recreational, cultural, historical, natural, educational, and scientific resources within the real property described in subsection (a), subject to rights and improvements in existence as of December 31, 2017, there shall be no commercial enterprise, no permanent road, no temporary road, no use of motor vehicles or motorized equipment, no landing of aircraft, no other form of mechanical transport, and no structure, building or installation of any kind, except measures required to protect the health and safety of persons.

“(2) APPLICABILITY OF CONDITIONS.—
“(A) Paragraph (1) applies to use of the real property by the Secretary or any successor in interest including the head of another federal agency or a non-federal entity.

“(B) The Secretary, or head of any other federal agency, shall include the conditions set forth in paragraph (1) in the conveyance authorized by subsection (a), or any conveyance of the property described in subsection (a), or any portion thereof, to any other non-federal entity.

“(3) NONCOMPLIANCE.—Subsection (b) shall apply to a determination by the Secretary, or head of any other federal agency, that a non-federal entity to whom the property described in subsection (a) or any portion thereof has been conveyed, or any successor in interest, has not complied with paragraph (1).

“(4) MILITARY MUNITIONS.—The Secretary shall conduct military munitions response actions on the real property described in subsection (a) in accordance with the Comprehensive Environmental Response Compensation and Liability Act of 1980 and consistent with the limited recreational, non-residential, non-commercial conditions on future use set forth in paragraph (1). These munitions response
actions shall also minimize disturbance of natural
and cultural resources present on the real property
described in subsection (a).”.

SEC. 2847. LAND CONVEYANCE, FORMER MISSILE ALERT
FACILITY KNOWN AS QUEBEC-01, LARAMIE
COUNTY, WYOMING.

(a) CONVEYANCE AUTHORIZED.—The Secretary of
the Air Force may convey, without consideration, to the
State of Wyoming (in this section referred to as the
“State”), all right, title, and interest of the United States
in and to the real property, including any improvements
thereon, consisting of the former Missile Alert Facility
(MAF) known as “Quebec-01,” located in Laramie Coun-
ty, Wyoming, for the purpose of operating a historical site,
interpretive center, or museum.

(b) PAYMENT OF COSTS OF CONVEYANCE.—

(1) PAYMENT REQUIRED.—The Secretary of
the Air Force may require the State to cover costs
to be incurred by the Secretary, or to reimburse the
Secretary for such costs incurred by the Secretary,
to carry out the conveyance under subsection (a), in-
cluding survey costs, costs for environmental docu-
mentation, and any other administrative costs re-
lated to the conveyance. If amounts are collected
from the State in advance of the Secretary incurring
the actual costs, and the amount collected exceeds
the costs actually incurred by the Secretary to carry
out the conveyance, the Secretary shall refund the
excess amount to the State.

(2) Treatment of Amounts Received.—
Amounts received as reimbursement under para-
graph (1) shall be credited to the fund or account
that was used to cover those costs incurred by the
Secretary in carrying out the conveyance, or if such
fund or account has expired at the time of credit, to
an appropriate appropriation, fund, or account cur-
rently available to the Secretary for the purposes for
which the costs were paid. Amounts so credited shall
be merged with amounts in such appropriation,
fund, or account, and shall be available for the same
purpose, and subject to the same conditions and lim-
itations, as amounts in such fund or account.

(c) Description of Property.—The exact acreage
and legal description of the property to be conveyed under
subsection (a) shall be determined by a survey satisfactory
to the Secretary of the Air Force.

(d) Reversionary Interest.—If the Secretary of
the Air Force determines at any time that the real prop-
erty conveyed under subsection (a) is not being used in
accordance with the purpose of the conveyance specified
in subsection (a), all right, title, and interest in and to such real property, including any improvements thereto, shall, at the option of the Secretary, revert to and become the property of the United States, and the United States shall have the right of immediate entry onto such real property. A determination by the Secretary under this subsection shall be made on the record after an opportunity for a hearing.

(e) ADDITIONAL TERMS.—The Secretary of the Air Force may require such additional terms and conditions in connection with the conveyance as the Secretary considers appropriate to protect the interests of the United States.

Subtitle F—Military Memorials, Monuments, and Museums

SEC. 2861. RECOGNITION OF THE NATIONAL MUSEUM OF WORLD WAR II AVIATION.

(a) RECOGNITION.—The National Museum of World War II Aviation in Colorado Springs, Colorado, is recognized as America’s National World War II Aviation Museum.

(b) EFFECT OF RECOGNITION.—The National Museum recognized by this section is not a unit of the National Park System, and the recognition of the National Museum shall not be construed to require or permit Fed-
eral funds to be expended for any purpose related to the National Museum.

SEC. 2862. PRINCIPAL OFFICE OF AVIATION HALL OF FAME.

Section 23107 of title 36, United States Code, is amended by striking “Dayton,” and all that follows through “trustees” and inserting “Ohio”.

SEC. 2863. ESTABLISHMENT OF A VISITOR SERVICES FACILITY ON THE ARLINGTON RIDGE TRACT.

(a) Arlington Ridge Tract Defined.—In this section, the term “Arlington Ridge tract” means the parcel of Federal land located in Arlington County, Virginia, known as the “Nevius Tract” and transferred to the Department of the Interior in 1953, that is bounded generally by—

(1) Arlington Boulevard (United States Route 50) to the north;

(2) Jefferson Davis Highway (Virginia Route 110) to the east;

(3) Marshall Drive to the south; and

(4) North Meade Street to the west.

(b) Establishment of Visitor Services Facility.—Notwithstanding section 2863(g) of the Military Construction Authorization Act for Fiscal Year 2002 (Public Law 107–107; 115 Stat. 1332), the Secretary of the Interior may construct a structure for visitor services,
including a public restroom facility, on the Arlington
Ridge tract in the area of the United States Marine Corps
War Memorial.

SEC. 2864. MODIFICATION OF PROHIBITION ON TRANSFER
OF VETERANS MEMORIAL OBJECTS TO FOREIGN GOVERNMENTS WITHOUT SPECIFIC AUTHORIZATION IN LAW.

(a) DESCRIPTION OF OBJECTS.—Paragraph (2)(B)(iii) of section 2572(e) of title 10, United States Code, is amended by striking “from abroad” and inserting “from abroad before 1907”.

(b) EXTENSION OF PROHIBITION.—Paragraph (3)(B) of section 2572(e) of such title is amended by striking “September 30, 2017” and inserting “September 30, 2022”.

(e) PERMITTING TRANSFER OF BELLS OF BALANGIGA.—

(1) IN GENERAL.—Notwithstanding section 2572(e) of title 10, United States Code, the President may transfer the veterans memorial object known as the “Bells of Balangiga” to the Republic of the Philippines if the Secretary of Defense certifies to Congress that—
(A) the transfer of the object is in the national security interests of the United States; and

(B) appropriate steps have been taken to preserve the history of the veterans associated with the object, including consultation with associated veterans organizations and government officials in the State of Wyoming, as appropriate.

(2) Timing of transfer.—The President may not carry out the transfer described in this subsection until at least 90 days after the Secretary of Defense provides Congress with the certification required under paragraph (1).

(d) Effective date.—The amendments made by this section shall take effect October 1, 2017.

Subtitle G—Other Matters

Sec. 2871. Authority of the Secretary of the Air Force to Accept Lessee Improvements at Air Force Plant 42.

(a) Acceptance of Lessee Improvements at Air Force Plant 42.—A lease of Air Force Plant 42, in whole or part, may permit the lessee, with the approval of the Secretary of the Air Force, to alter, expand, or otherwise improve the plant or facility as necessary for the
development or production of military weapons systems, munitions, components, or supplies. Such lease may pro-
vide, notwithstanding section 2802 of title 10, United States Code, that such alteration, expansion or other im-
provement shall, upon completion, become the property of the Federal Government, regardless of whether such alter-
ation, expansion, or other improvement constitutes all or part of the consideration for the lease pursuant to section 2667(b)(5) of such title or represents a reimbursable cost allocable to any contract, cooperative agreement, grant, or other instrument with respect to activity undertaken at Air Force Plant 42.

(b) CONGRESSIONAL NOTIFICATION.—When a deci-
sion is made to approve a project to which subsection (a) applies costing more than the threshold specified under section 2805(c) of such title, the Secretary of the Air Force shall notify the congressional defense committees in writing of that decision, the justification for the project, and the estimated cost of the project. The Secretary may not carry out the project until the end of the 21-day period beginning on the date the congressional defense commit-
tees receive such notification or, if earlier, the end of the 14-day period beginning on the date on which a copy of the notification is provided in an electronic medium pursuant to section 480 of such title.
SEC. 2872. MODIFICATION OF DEPARTMENT OF DEFENSE

GUIDANCE ON USE OF AIRFIELD PAVEMENT

MARKINGS.

(a) Modification Required.—Except as provided in subsection (b), the Secretary of Defense shall require such modifications of Unified Facilities Guide Specifications for pavement markings (UFGS 32 17 23.00 20 Pavement Markings, UFGS 32 17 24.00 10 Pavement Markings), Air Force Engineering Technical Letter ETL 97–18 (Guide Specification for Airfield and Roadway Marking), and any other Department of Defense guidance on airfield pavement markings as may be necessary to prohibit the use of Type I glass beads or any glass beads with a 1.6 refractive index or less from use on airfield markings on airfields under the control of the Secretary.

(b) Exception.—Subsection (a) shall not apply if the Secretary of the Air Force submits a certification to the congressional defense committees that, whenever a proposed contract for airfield pavement markings includes the use of Type I and Type III glass beads, the assessment of the life-cycle costs associated with the use of such beads appropriately considers the local site conditions, life-cycle cost maintenance, environmental impact, operational requirements, and the safety of flight.
(c) **Effective Date.**—The modifications required under subsection (a) shall apply with respect to procurements occurring after September 30, 2018.

**SEC. 2873. AUTHORITY OF CHIEF OPERATING OFFICER OF ARMED FORCES RETIREMENT HOME TO ACQUIRE AND LEASE PROPERTY.**

(a) **Acquisition of Property.**—Section 1511(c) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 411(e)) is amended—

(1) in paragraph (2)—

(A) by striking “Secretary of Defense may acquire,” and inserting “Chief Operating Officer may acquire,”; and

(B) by striking “Secretary may acquire” and inserting “Chief Operating Officer may acquire”; and

(2) in paragraph (3)—

(A) by striking “Secretary of Defense determines” and inserting “Chief Operating Officer determines”; and

(B) by striking “Secretary shall dispose” and inserting “Chief Operating Officer shall dispose”.


(b) LEASING OF NON-EXCESS PROPERTY.—Sub-
section (i) of section 1511 of such Act (24 U.S.C. 411(i))
is amended—

(1) in paragraph (1)—

(A) by striking “Whenever” and inserting
“Subject to the approval of the Secretary of
Defense, whenever”;

(B) by striking “Secretary of Defense (act-
ing on behalf of the Chief Operating Officer)”
and inserting “Chief Operating Officer”; and

(C) by striking “Secretary considers” and
inserting “Chief Operating Officer considers”;

(2) in paragraph (5), by striking “the Secretary
of Defense may not enter into the lease on behalf of
the Chief Operating Officer” and inserting “the
Chief Operating Officer may not enter into the
lease”; and

(3) in subparagraph (A) of paragraph (6), by
striking “Secretary of Defense” and inserting “Chief
Operating Officer”.

SEC. 2874. RESTRICTIONS ON REHABILITATION OF OVER-
THE-HORIZON BACKSCATTER RADAR STA-
TION.

(a) RESTRICTIONS.—Except as provided in sub-
section (b), the Secretary of the Air Force may not use
any funds or resources to carry out the rehabilitation of 
the Over-the-Horizon Backscatter Radar Station on 
Modoc National Forest land in Modoc County, California. 

(b) Exception for Removal of Perimeter Fence.—Notwithstanding subsection (a), the Secretary 
may use funds and resources to remove the perimeter 
fence surrounding the Over-the-Horizon Backscatter 
Radar Station and to carry out the mitigation of soil con- 
tamination associated with such fence. 

(c) Sunset.—Subsection (a) shall terminate on the 
date of the enactment of the National Defense Authoriza-
tion Act for Fiscal Year 2019. 

SEC. 2875. PERMITTING MACHINE ROOM-LESS ELEVATORS 
IN DEPARTMENT OF DEFENSE FACILITIES. 

(a) In General.—The Secretary of Defense shall 
issue modifications to all relevant construction and facili-
ties specifications to ensure that machine room-less ele-
vators (MRLs) are not prohibited in buildings and facili-
ties throughout the Department of Defense, including 
modifications to the Unified Facilities Guide Specifica-
tions (UFGS), the Naval Facilities Engineering Command 
Interim Technical Guidance, and the Army Corps of Engi-
neers Engineering and Construction Bulletin. 

(b) Conforming to Best Practices.—In addition 
to the modifications required under subsection (a), the
Secretary may issue further modifications to conform generally with commercial best practices as reflected in the safety code for elevators and escalators as issued by the American Society of Mechanical Engineers.

(c) Deadlines.—The Secretary shall promulgate interim MRL standards not later than 180 days after the date of the enactment of this Act, and shall issue final and formal MRL specifications not later than 1 year after the date of the enactment of this Act.

(d) Report.—Not later than 1 year after the date of the enactment of this Act, the Secretary shall issue a report to the congressional defense committees on the integration and utilization of MRLs, including information on quantity, location, problems, and successes.

SEC. 2876. DISCLOSURE OF BENEFICIAL OWNERSHIP BY FOREIGN PERSONS OF HIGH SECURITY SPACE LEASED BY THE DEPARTMENT OF DEFENSE.

(a) Identification of Beneficial Ownership.—Before entering into a lease agreement with a covered entity for accommodation of a military department or Defense Agency in a building (or other improvement) that will be used for high-security leased space, the Department of Defense shall require the covered entity to—
1496

(1) identify each beneficial owner of the covered entity by—

(A) name;

(B) current residential or business street address; and

(C) in the case of a United States person, a unique identifying number from a nonexpired passport issued by the United States or a non-expired drivers license issued by a State; and

(2) disclose to the Department of Defense any beneficial owner of the covered entity that is a foreign person.

(b) REQUIRED DISCLOSURE.—

(1) INITIAL DISCLOSURE.—The Secretary of Defense shall require a covered entity to provide the information required under subsection (a), when first submitting a proposal in response to a solicitation for offers issued by the Department.

(2) UPDATES.—The Secretary of Defense shall require a covered entity to update a submission of information required under subsection (a) not later than 60 days after the date of any change in—

(A) the list of beneficial owners of the covered entity; or
(B) the information required to be provided relating to each such beneficial owner.

(c) Precautions.—If a covered entity discloses a foreign person as a beneficial owner of a building (or other improvement) from which the Department of Defense is leasing high-security leased space, the Department of Defense shall notify the tenant of the space to take appropriate security precautions.

(d) Definitions.—

(1) Beneficial Owner.—

(A) In General.—The term beneficial owner—

(i) means, with respect to a covered entity, each natural person who, directly or indirectly—

(I) exercises control over the covered entity through ownership interests, voting rights, agreements, or otherwise; or

(II) has an interest in or receives substantial economic benefits from the assets of the covered entity; and

(ii) does not include, with respect to a covered entity—

(I) a minor child;
(II) a person acting as a nominee, intermediary, custodian, or agent on behalf of another person;

(III) a person acting solely as an employee of the covered entity and whose control over or economic benefits from the covered entity derives solely from the employment status of the person;

(IV) a person whose only interest in the covered entity is through a right of inheritance, unless the person otherwise meets the definition of “beneficial owner” under this paragraph; and

(V) a creditor of the covered entity, unless the creditor otherwise meets the requirements of “beneficial owner” described above.

(B) ANTI-ABUSE RULE.—The exceptions under subparagraph (A)(ii) shall not apply if used for the purpose of evading, circumventing, or abusing the requirements of this section.
(2) COVERED ENTITY.—The term “covered entity” means a person, copartnership, corporation, or other public or private entity.

(3) FOREIGN PERSON.—The term “foreign person” means an individual who is not a United States person or an alien lawfully admitted for permanent residence into the United States.

(4) HIGH-SECURITY LEASED SPACE.—The term “high-security leased space” means a space leased by the Department of Defense that has a security level of III, IV, or V, as determined in accordance with the Interagency Security Committee Risk Management Process.

(5) UNITED STATES PERSON.—The term “United States person” means a natural person who is a citizen of the United States or who owes permanent allegiance to the United States.

SEC. 2877. JOINT USE OF DOBBINS AIR RESERVE BASE, MARIETTA, GEORGIA, WITH CIVIL AVIATION.

(a) IN GENERAL.—The Secretary of the Air Force may enter into an agreement that would provide or permit the joint use of Dobbins Air Reserve Base, Marietta, Georgia, by the Air Force and civil aircraft.
(b) CONFORMING REPEAL.—Section 312 of the National Defense Authorization Act, Fiscal Year 1989 (Public Law 100–456; 102 Stat. 1950) is hereby repealed.

SEC. 2878. REPORT ON HURRICANE DAMAGE TO DEPARTMENT OF DEFENSE ASSETS.

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on damage to Department of Defense assets and installations from hurricanes during 2017.

(b) ELEMENTS.—The report required under subsection (a) shall include the following elements:

(1) The results of a storm damage assessment.

(2) A description of affected military installations and assets.

(3) A request for funding to initiate the repair and replacement of damaged facilities and assets, including necessary upgrades to existing facilities to make them compliant with current hurricane standards, and to cover any unfunded requirements for military construction at affected military installations.

(4) An adaptation plan to ensure military installations funded with taxpayer dollars are con-
structured to better withstand flooding and extreme weather events.

SEC. 2879. SPECIAL RULES FOR CERTAIN PROJECTS.

(a) Conditions on Use of Funds for Kwajalein Project.—

(1) Conditions described.—The military family housing replacement project at Kwajalein Atoll (as included under title XXI) shall be subject to the following conditions:

   (A) The project shall provide for the construction of at least 26 family housing units.

   (B) The housing units may be used to house only military personnel, other Federal employees, and their dependents.

   (C) If the costs of the project exceed the amount authorized for the project under title XXI, in addition to meeting the requirements of section 2853 of title 10, United States Code (as amended by this Act), the Secretary of the Army shall submit a separate report to the congressional defense committees which contains the following:

       (i) A detailed explanation of why the costs of the project exceeded such authorized amount.
(ii) A description of the specific actions taken to prevent further cost increases on this project and lessons learned that will be applied to future projects at this location.

(iii) A summary of alternatives considered to keep the cost of the project from exceeding such authorized amount.

(2) **Report on Alternatives for Funding Contractor Workforce.**—Not later than 180 days after the date of enactment of this Act, the Secretary of the Army shall submit a report to the congressional defense committees detailing options under consideration to meet the requirements for a housing contractor workforce at Kwajalein Atoll which do not rely on the use of military construction funds for the costs of such a workforce.

(b) **Limitation on Certain Guam Project.**—The Secretary of the Navy may not carry out any construction activity on the project on Guam known as the “Replace Andersen Housing Phase II” project (as included under title XXII) until the expiration of the 30-day period which begins on the date the Secretary submits to the congressional defense committees a report certifying the following:
(1) Either a sufficient workforce of contractors or subcontractors is in place on Guam, or the Secretary has a plan in place to ensure that a sufficient workforce of contractors or subcontractors will be in place on Guam, to perform the work required by the scope of the project.

(2) A contract has been awarded for each of the following military construction projects authorized by this Act, either as a separate contract or as a joint contract with the Replace Andersen House Phase II project:

   (A) Corrosion Control Hangar, Joint Region Marianas.

   (B) Aircraft Maintenance Hanger #2, Joint Region Marianas.

   (C) MALS Facilities, Joint Region Marianas.

   (D) Water Well Field, Joint Region Marianas.

   (E) Navy-Commercial Tie-In Hardening, Joint Region Marianas.

SEC. 2880. ENERGY SECURITY FOR MILITARY INSTALLATIONS IN EUROPE.

(a) AUTHORITY.—The Secretary of Defense shall take appropriate measures, to the extent practicable, to—
(1) reduce the dependency of all United States military installations in Europe on energy sourced inside Russia; and

(2) ensure that all United States military installations in Europe are able to sustain operations in the event of a supply disruption.

(b) Certification Requirement.—Not later than December 31, 2021, the Secretary of Defense shall certify to the congressional defense committees whether or not at United States military installations in Europe the Department of Defense—

(1) has taken significant steps to minimize to the extent practicable the dependency on energy sourced inside the Russian Federation at such installations; and

(2) has the ability to sustain mission critical operations during an energy supply disruption.

(c) Definition of Energy Sources Inside Russia.—In this section, the term “energy sourced inside Russia” means energy that is produced, owned, or facilitated by companies that are located in the Russian Federation or owned or controlled by the Government of the Russian Federation.
TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION

Sec. 2901. Authorized Army construction and land acquisition projects.
Sec. 2902. Authorized Navy construction and land acquisition project.
Sec. 2903. Authorized Air Force construction and land acquisition project.
Sec. 2904. Authorized Defense Agencies construction and land acquisition project.
Sec. 2905. Authorization of appropriations.
Sec. 2906. Extension of authorization of certain fiscal year 2015 projects.

SEC. 2901. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of the Army may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cuba</td>
<td>Guantanamo</td>
<td>$115,000,000</td>
</tr>
<tr>
<td>Turkey</td>
<td>Various Locations</td>
<td>$6,400,000</td>
</tr>
</tbody>
</table>

SEC. 2902. AUTHORIZED NAVY CONSTRUCTION AND LAND ACQUISITION PROJECT.

The Secretary of the Navy may acquire real property and carry out the military construction projects for the installation outside the United States, and in the amount, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Djibouti</td>
<td>Camp Lemonnier</td>
<td>$13,390,000</td>
</tr>
</tbody>
</table>
SEC. 2903. AUTHORIZED AIR FORCE CONSTRUCTION AND LAND ACQUISITION PROJECT.

The Secretary of the Air Force may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estonia</td>
<td>Amari Air Base</td>
<td>$13,900,000</td>
</tr>
<tr>
<td>Hungary</td>
<td>Kecskemet Air Base</td>
<td>$55,400,000</td>
</tr>
<tr>
<td>Iceland</td>
<td>Keflavik</td>
<td>$14,400,000</td>
</tr>
<tr>
<td>Italy</td>
<td>Aviano Air Base</td>
<td>$27,325,000</td>
</tr>
<tr>
<td>Jordan</td>
<td>Azraq</td>
<td>$143,000,000</td>
</tr>
<tr>
<td>Latvia</td>
<td>Liepārde Air Base</td>
<td>$83,500,000</td>
</tr>
<tr>
<td>Luxembourg</td>
<td>Sanem</td>
<td>$67,400,000</td>
</tr>
<tr>
<td>Norway</td>
<td>Rygge</td>
<td>$10,300,000</td>
</tr>
<tr>
<td>Qatar</td>
<td>Al Udeid</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Romania</td>
<td>Campia Turzii</td>
<td>$22,850,000</td>
</tr>
<tr>
<td>Slovakia</td>
<td>Silay Airport</td>
<td>$24,000,000</td>
</tr>
<tr>
<td>Turkey</td>
<td>Incirlik Air Base</td>
<td>$48,697,000</td>
</tr>
</tbody>
</table>

SEC. 2904. AUTHORIZED DEFENSE AGENCIES CONSTRUCTION AND LAND ACQUISITION PROJECT.

The Secretary of Defense may acquire real property and carry out the military construction project for the installation outside the United States, and in the amount, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italy</td>
<td>Sigonella</td>
<td>$22,400,000</td>
</tr>
</tbody>
</table>

SEC. 2905. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2017, for the military construction projects outside the United States.
authorized by this title as specified in the funding table in section 4602.

SEC. 2906. EXTENSION OF AUTHORIZATION OF CERTAIN FISCAL YEAR 2015 PROJECTS.

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3669), the authorizations set forth in the table in subsection (b), as provided in section 2902 of that Act (128 Stat. 3717), shall remain in effect until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italy</td>
<td>Camp Darby</td>
<td>ERI: Improve Weapons Storage Facility</td>
<td>$44,500,000</td>
</tr>
<tr>
<td>Poland</td>
<td>Lask Air Base</td>
<td>ERI: Improve Support Infrastructure</td>
<td>$22,400,000</td>
</tr>
</tbody>
</table>
DIVISION C—DEPARTMENT OF ENERGY NATIONAL SECURITY AUTHORIZATIONS AND OTHER AUTHORIZATIONS

TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Subtitle A—National Security Programs and Authorizations

Sec. 3101. National Nuclear Security Administration.
Sec. 3102. Defense environmental cleanup.
Sec. 3103. Other defense activities.
Sec. 3104. Nuclear energy.

Subtitle B—Program Authorizations, Restrictions, and Limitations

Sec. 3111. Nuclear security enterprise infrastructure modernization initiative.
Sec. 3112. Incorporation of integrated surety architecture in transportation.
Sec. 3113. Cost estimates for life extension program and major alteration projects.
Sec. 3114. Improved information relating to certain defense nuclear nonproliferation programs.
Sec. 3115. Research and development of advanced naval reactor fuel based on low-enriched uranium.
Sec. 3116. National Nuclear Security Administration pay and performance system.
Sec. 3117. Budget requests and certification regarding nuclear weapons dismantlement.
Sec. 3118. Nuclear warhead design competition.
Sec. 3119. Modification of minor construction threshold for plant projects.
Sec. 3120. Extension of authorization of Advisory Board on Toxic Substances and Worker Health.
Sec. 3121. Use of funds for construction and project support activities relating to MOX facility.
Sec. 3122. Prohibition on availability of funds for programs in Russian Federation.

Subtitle C—Plans and Reports

Sec. 3131. Annual Selected Acquisition Reports on certain hardware relating to defense nuclear nonproliferation.
Sec. 3132. Annual reports on unfunded priorities of National Nuclear Security Administration.
Sec. 3133. Modification of certain reporting requirements.
Sec. 3134. Modification to stockpile stewardship, management, and responsiveness plan.
Sec. 3135. Assessment and development of prototype nuclear weapons of foreign countries.
Sec. 3136. Plan for verification, detection, and monitoring of nuclear weapons and fissile material.
Sec. 3137. Review of United States nuclear and radiological terrorism prevention strategy.
Sec. 3138. Assessment of management and operating contracts of national security laboratories.
Sec. 3139. Evaluation of classification of certain defense nuclear waste.
Sec. 3140. Improved reporting for anti-smuggling radiation detection systems.
Sec. 3141. Plutonium capabilities.
Sec. 3142. Report on critical decision 1 on Material Staging Facility project.
Sec. 3143. Plan to further minimize the use of highly enriched uranium for medical isotopes.

Subtitle D—Other Matters

Sec. 3151. Sense of Congress regarding compensation of individuals relating to uranium mining and nuclear testing.

Subtitle A—National Security

Programs and Authorizations

SEC. 3101. NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2018 for the activities of the National Nuclear Security Administration in carrying out programs as specified in the funding table in division D.

(b) AUTHORIZATION OF NEW PLANT PROJECTS.—From funds referred to in subsection (a) that are available for carrying out plant projects, the Secretary of Energy may carry out new plant projects for the National Nuclear Security Administration as follows:
Project 18–D–150, Surplus Plutonium Disposition, Savannah River Site, Aiken, South Carolina, $9,000,000.

Project 18–D–620, Exascale Computing Facility Modernization Project, Lawrence Livermore National Laboratory, Livermore, California, $3,000,000.

Project 18–D–650, Tritium Production Capability, Savannah River Site, Aiken, South Carolina, $6,800,000.

Project 18–D–660, Fire Station, Y–12 National Security Complex, Oak Ridge, Tennessee, $28,000,000.

Project 18–D–670, Exascale Class Computer Cooling Equipment, Los Alamos National Laboratory, Los Alamos, New Mexico, $22,000,000.

Project 18–D–680, Material Staging Facility, Pantex Plant, Amarillo, Texas, $5,200,000.

(c) MODIFICATION OF AUTHORITY TO CARRY OUT ALBUQUERQUE COMPLEX UPGRADES CONSTRUCTION PROJECT.—

(1) IN GENERAL.—The Administrator for Nuclear Security may enter into an incrementally funded contract for Project 16–D–515, the Albuquerque
Complex upgrades construction project, Albuquerque, New Mexico.

(2) LIMITATION.—The total cost for the Albuquerque Complex upgrades construction project may not exceed $174,700,000.

(3) FUNDING OF INCREMENTS.—

(A) INCREMENT 1.—The amount authorized to be appropriated by section 3101 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2754) for fiscal year 2017 and available for Project 16–D–515 as specified in the funding table in section 4701 of that Act (Public Law 114–328; 130 Stat. 2890) shall be deemed to be an amount authorized to be appropriated for increment 1 of the Albuquerque Complex upgrades construction project.

(B) INCREMENT 2.—The amount authorized to be appropriated by this section for fiscal year 2018 and available for Project 16–D–515 as specified in the funding table in division D shall be available for increment 2 of the Albuquerque Complex upgrades construction project.
SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.

(a) In General.—Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2018 for defense environmental cleanup activities in carrying out programs as specified in the funding table in division D.

(b) Authorization of New Plant Projects.—From funds referred to in subsection (a) that are available for carrying out plant projects, the Secretary of Energy may carry out new plant projects for the National Nuclear Security Administration as follows:

Project 18–D–401, Saltstone Disposal Units #8 and #9, Savannah River Site, Aiken, South Carolina, $500,000.

Project 18–D–402, Emergency Operations Center Replacement, Savannah River Site, Aiken, South Carolina, $500,000.

Project 18–D–404, Modification of Waste Encapsulation and Storage Facility, Hanford Site, Richland, Washington, $6,500,000.

SEC. 3103. OTHER DEFENSE ACTIVITIES.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2018 for other defense activities in carrying out programs as specified in the funding table in division D.
SEC. 3104. NUCLEAR ENERGY.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2018 for nuclear energy as specified in the funding table in division D.

Subtitle B—Program Authorizations, Restrictions, and Limitations

SEC. 3111. NUCLEAR SECURITY ENTERPRISE INFRASTRUCTURE MODERNIZATION INITIATIVE.

(a) FINDINGS.—Congress finds the following:

(1) On September 7, 2016, during testimony before the Subcommittee on Strategic Forces of the Committee on Armed Services of the House of Representatives—

(A) the Administrator for Nuclear Security, Frank Klotz, said—

(i) “Our infrastructure is extensive, complex, and, in many critical areas, several decades old. More than half of NNSA’s approximately 6,000 real property assets are over 40 years old, and nearly 30 percent date back to the Manhattan Project era. Many of the enterprise’s critical utility, safety, and support systems are failing at an increasing and unpredictable...
rate, which poses both programmatic and safety risk.”; and

(ii) “I can think of no greater threat to the nuclear security enterprise than the state of NNSA’s infrastructure.”;

(B) the President and Chief Executive Officer of Consolidated Nuclear Security, Morgan Smith, said, “Many key facilities at both [Pantex and Y–12] were constructed in the 1940s and were intended to operate for as little as one decade. Many facilities and their supporting infrastructure have exceeded or far exceeded their expected life, and major systems within the facilities are beginning to fail.”; and

(C) the Director of Los Alamos National Laboratory, Dr. Charlie McMillan, said, “One of the things that keeps me up at night is the realization that essential capabilities are held at risk by the possibility of such failures; in many cases, our enterprise has a single point of failure.”.

(2) In a letter sent on December 23, 2015, by the Secretary of Energy, Ernest Moniz, to the Director of the Office of Management and Budget, Shaun Donovan, the Secretary said, “A majority of the Na-
tional Nuclear Security Administration’s (NNSA) fa-
cilities and systems are well beyond end-of-life.... In-
frasctructure problems such as falling ceilings are in-
creasing in frequency and severity, unacceptably
risking the safety and security of both personnel and
material at NNSA facilities, as well as in some in-
stances, potential offsite risks. The entire complex
could be placed at risk if there is a single failure
where a single point would disrupt a critical link in
infrastructure.”.

(3) The Nuclear Posture Review published in
April 2010 stated that “In order to sustain a safe,
secure, and effective U.S. nuclear stockpile as long
as nuclear weapons exist, the United States must
possess a modern physical infrastructure.... Today’s
nuclear complex, however, has fallen into neglect. Al-
though substantial science, technology, and engineer-
ing investments were made over the last decade
under the auspices of the Stockpile Stewardship
Program, the complex still includes many oversized
and costly-to maintain facilities built during the
1940s and 1950s. Some facilities needed for working
with plutonium and uranium date back to the Man-
hattan Project. Safety, security, and environmental
issues associated with these aging facilities are mounting, as are the costs of addressing them.”.

(4) In 2009, the bipartisan Congressional Commission on the Strategic Posture of the United States established by section 1062 of the National Defense Authorization for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 319) stated, with regards to key production facilities, that “existing facilities are genuinely decrepit and are maintained in a safe and secure manner only at high cost”.

(5) Previous efforts to address the deferred maintenance and repair challenges within the nuclear security enterprise, such as the Facilities Infrastructure and Recapitalization Program and the recent halt in the growth of backlog metrics, are laudable but insufficient for the magnitude of the problem.

(6) Recent figures provided by the Administrator for Nuclear Security estimate the backlog of deferred maintenance and repair needs of the nuclear security enterprise to be approximately $3,700,000,000.

(b) INFRASTRUCTURE MODERNIZATION INITIATIVE.—
(1) Establishment.—Not later than 30 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall establish and carry out a program, to be known as the “Infrastructure Modernization Initiative”, to reduce the backlog of deferred maintenance and repair needs of the nuclear security enterprise (as defined in section 4002(6) of the Atomic Energy Defense Act (50 U.S.C. 2501(6))). In carrying out that program, the Administrator shall establish and execute infrastructure modernization milestones that reduce the deferred maintenance and repair needs of the nuclear security enterprise by not less than 30 percent by 2025.

(2) Authorities.—

(A) Process.—

(i) In general.—The Secretary of Energy shall provide to the Administrator a process that will enhance or streamline the ability of the Administrator to carry out the program under paragraph (1) in an efficient and effective manner, including with respect to—

(I) the demolition or construction of non-nuclear facilities of the Admin
istration that have a total estimated project cost of less than $100,000,000; and

(II) the decontamination, decommissioning, and demolition (to be performed in accordance with applicable health and safety standards used by the Defense Environmental Cleanup Program) of process-contaminated facilities of the Administration that have a total estimated project cost of less than $50,000,000.

(ii) FUNDING.—Clause (i) may be carried out using amounts authorized to be appropriated for fiscal year 2018 or any subsequent fiscal year.

(B) APPLICATION OF CERTAIN REQUIREMENTS.—For purposes of the Management Procedures Memorandum 2015–01 of the Office of Management and Budget, or a successor memorandum, in carrying out the program under paragraph (1), the Administrator may—

(i) perform new construction during a fiscal year that differs from the fiscal year of corresponding facility demolition;
(ii) perform demolition of different facility category codes and have that demolition credit count towards the construction of new facilities with a different facility category code; and

(iii) have the net reduction in infrastructure footprint for the five fiscal years prior to the date of the enactment of this Act, and the demolition during the five fiscal years following such date of enactment, considered as a factor for the purpose of meeting the intent of such memorandum.

(3) INITIAL PLAN.—Not later than March 1, 2018, the Administrator shall submit to the congressional defense committees an initial plan to carry out the program under paragraph (1) to achieve the goal specified in such paragraph. Such plan shall include—

(A) the funding required to carry out the program during the period covered by the future-years nuclear security program under section 3253 of the National Nuclear Security Administration Act (50 U.S.C. 2453);
(B) the criteria for selecting and prioritizing projects within the program under paragraph (1);

(C) mechanisms for ensuring the robust management and oversight of such projects;

(D) a description of the process provided to the Administrator to carry out the program pursuant to paragraph (2)(A); and

(E) a description of any legislative actions the Administrator recommends to further enhance or streamline authorities or processes relating to the program.

(4) REASSESSMENT.—Not later than February 1, 2024, the Administrator shall reassess the program under paragraph (1) and, as appropriate, develop and establish goals for the program beyond 2025.

(c) INCLUSION IN BIENNIAL DETAILED REPORT.—Section 4203(d)(4) of the Atomic Energy Defense Act (50 U.S.C. 2523(d)(4)) is amended—

(1) in subparagraph (B), by striking “; and” and inserting a semicolon;

(2) in subparagraph (C), by striking the period at the end and inserting “; and”; and
(3) by adding at the end the following new sub-
paragraph:

“(D)(i) a description of—

“(I) the metrics (based on industry
best practices) used by the Administrator
to determine the infrastructure deferred
maintenance and repair needs of the nu-
clear security enterprise; and

“(II) the percentage of replacement
plant value being spent on maintenance
and repair needs of the nuclear security
enterprise; and

“(ii) an explanation of whether the annual
spending on such needs complies with the rec-
ommendation of the National Research Council
of the National Academies of Sciences, Engi-
neering, and Medicine that such spending be in
an amount equal to four percent of the replace-
ment plant value, and, if not, the reasons for
such noncompliance and a plan for how the Ad-
ministrator will ensure facilities of the nuclear
security enterprise are being properly sus-
tained.”.

(d) REQUIREMENTS RELATING TO CRITICAL DECISIONS.—
(1) IN GENERAL.—Subtitle A of title XLVII of the Atomic Energy Defense Act (50 U.S.C. 2741 et seq.) is amended by adding at the end the following new section:

“SEC. 4715. MATTERS RELATING TO CRITICAL DECISIONS.

“(a) POST-CRITICAL DECISION 2 CHANGES.—After the date on which a plant project specifically authorized by law and carried out under Department of Energy Order 413.3B (relating to program management and project management for the acquisition of capital assets), or a successor order, achieves critical decision 2, the Administrator may not change the requirements for such project if such change increases the cost of such project by more than the lesser of $5,000,000 or 15 percent, unless—

“(1) the Administrator submits to the congressional defense committees—

“(A) a certification that the Administrator, without delegation, authorizes such proposed change; and

“(B) a cost-benefit and risk analysis of such proposed change, including with respect to—

“(i) the effects of such proposed change on the project cost and schedule; and
“(ii) any mission risks and operational
risks from making such change or not
making such change; and
“(2) a period of 15 days elapses following the
date of such submission.
“(b) REVIEW AND APPROVAL.—The Administrator
shall ensure that critical decision packages are timely re-
viewed and either approved or disapproved.”.

(2) CLERICAL AMENDMENT.—The table of con-
tents at the beginning of such Act is amended by in-
serting after the item relating to section 4714 the
following new item:

“Sec. 4715. Matters relating to critical decisions.”.

(e) SENSE OF CONGRESS.—It is the sense of Con-
gress that—

(1) the nuclear security enterprise, comprised of
the infrastructure and capabilities of the laboratories
and plants coupled with the dedicated and talented
scientists, engineers, technicians, and administrators
who form the backbone of the enterprise, are a cen-
tral component of the nuclear deterrent of the
United States;

(2) if left unaddressed, the state of the infra-
structure within the nuclear security enterprise rep-
resents a direct, long-term threat to the credibility
of the nuclear deterrent of the United States;
(3) both Congress and the President must take strong, sustained action to recapitalize and repair this infrastructure;

(4) the Administrator must continue to carry out expeditious demolition of old facilities of the Administration to reduce long-term costs and improve safety; and

(5) each budget of the President submitted to Congress under section 1105(a) of title 31, United States Code, for fiscal year 2019 and each fiscal year thereafter should include funding in an amount sufficient to carry out the program established pursuant to subsection (b)(1) to achieve the goal specified in such subsection.

SEC. 3112. INCORPORATION OF INTEGRATED SURETY ARCHITECTURE IN TRANSPORTATION.

(a) INCORPORATION.—Subtitle A of title XLII of the Atomic Energy Defense Act (50 U.S.C. 2521 et seq.) is amended by adding at the end the following new section:

“SEC. 4222. INCORPORATION OF INTEGRATED SURETY ARCHITECTURE.

“(a) SHIPMENTS.—(1) The Administrator shall ensure that shipments described in paragraph (2) incorporate surety technologies relating to transportation and
shipping developed by the Integrated Surety Architecture
program of the Administration.

“(2) A shipment described in this paragraph is an
over-the-road shipment of the Administration that involves
any nuclear weapon planned to be in the active stockpile
after 2025.

“(b) CERTAIN PROGRAMS.—(1) The Administrator,
in coordination with the Chairman of the Nuclear Weap-
ons Council, shall ensure that each program described in
paragraph (2) incorporates integrated designs compatible
with the Integrated Surety Architecture program.

“(2) A program described in this subsection is a pro-
gram of the Administration that is a warhead development
program, a life extension program, or a warhead major
alteration program.

“(c) DETERMINATION.—(1) If, on a case-by-case
basis, the Administrator determines that a shipment
under subsection (a) will not incorporate some or all of
the surety technologies described in such subsection, or
that a program under subsection (b) will not incorporate
some or all of the integrated designs described in such
subsection, the Administrator shall submit such deter-
mination to the congressional defense committees, includ-
ing the results of an analysis conducted pursuant to para-
graph (2).
“(2) Each determination made under paragraph (1) shall be based on a documented, system risk analysis that considers security risk reduction, operational impacts, and technical risk.

“(d) TERMINATION.—The requirements of subsections (a) and (b) shall terminate on December 31, 2029.”.

(b) CLERICAL AMENDMENT.—The table of contents for the Atomic Energy Defense Act is amended by inserting after the item relating to section 4221 the following new item:

“Sec. 4222. Incorporation of integrated surety architecture.”.

SEC. 3113. COST ESTIMATES FOR LIFE EXTENSION PROGRAM AND MAJOR ALTERATION PROJECTS.

Section 4217(b) of the Atomic Energy Defense Act (50 U.S.C. 2537(b)) is amended to read as follows:

“(b) INDEPENDENT COST ESTIMATES AND REVIEWS.—(1) The Secretary, acting through the Administrator, shall submit to the congressional defense committees and the Nuclear Weapons Council the following:

“(A) An independent cost estimate of the following:

“(i) Each nuclear weapon system undergoing life extension at the completion of phase 6.2A, relating to design definition and cost study.
“(ii) Each nuclear weapon system undergoing life extension at the completion of phase 6.3, relating to development engineering.

“(iii) Each nuclear weapon system undergoing life extension at the completion of phase 6.4, relating to production engineering, and before the initiation of phase 6.5, relating to first production.

“(iv) Each new nuclear facility within the nuclear security enterprise that is estimated to cost more than $500,000,000 before such facility achieves critical decision 1 and before such facility achieves critical decision 2 in the acquisition process.

“(v) Each nuclear weapons system undergoing a major alteration project (as defined in section 4713(a)(2)).

“(B) An independent cost review of each nuclear weapon system undergoing life extension at the completion of phase 6.2, relating to study of feasibility and down-select.

“(2) Each independent cost estimate and independent cost review under paragraph (1) shall include—

“(A) whether the cost baseline or the budget estimate for the period covered by the future-years nu-
clear security program has changed, and the rationale for any such change; and

“(B) any views of the Secretary or the Administrator regarding such estimate or review.

“(3) The Administrator shall review and consider the results of any independent cost estimate or independent cost review of a nuclear weapon system or a nuclear facility, as the case may be, under this subsection before entering the next phase of the development process of such system or the acquisition process of such facility.

“(4) Except as otherwise specified in paragraph (1), each independent cost estimate or independent cost review of a nuclear weapon system or a nuclear facility under this subsection shall be submitted not later than 30 days after the date on which—

“(A) in the case of a nuclear weapons system, such system completes a phase specified in such paragraph; or

“(B) in the case of a nuclear facility, such facility achieves critical decision as specified in subparagraph (A)(iv) of such paragraph.

“(5) Each independent cost estimate or independent cost review submitted under this subsection shall be submitted in unclassified form, but may include a classified annex if necessary.”.
SEC. 3114. IMPROVED INFORMATION RELATING TO CERTAIN DEFENSE NUCLEAR NONPROLIFERATION PROGRAMS.

(a) IMPROVED INFORMATION.—Title XLIII of the Atomic Energy Defense Act (50 U.S.C. 2563 et seq.) is amended by adding at the end the following new section:

"SEC. 4310. INFORMATION RELATING TO CERTAIN DEFENSE NUCLEAR NONPROLIFERATION PROGRAMS.

"(a) TECHNOLOGIES AND CAPABILITIES.—The Administrator shall document, for efforts that are not focused on basic research, the technologies and capabilities of the defense nuclear nonproliferation research and development program that—

"(1) are transitioned to end users for further development or deployment; and

"(2) are deployed.

"(b) ASSESSMENTS OF STATUS.—(1) In assessing projects under the defense nuclear nonproliferation research and development program or the defense nuclear nonproliferation and arms control program, the Administrator shall compare the status of each such project, including with respect to the final results of such project, to the baseline targets and goals established in the initial project plan of such project."
“(2) The Administrator may carry out paragraph (1) using a common template or such other means as the Administrator determines appropriate.”.

(b) Inclusion in Plan.—Section 4309(b) of such Act (50 U.S.C. 2575(b)) is amended—

(1) by redesignating paragraph (16) as paragraph (18); and

(2) by inserting after paragraph (15) the following new paragraphs:

“(16) A summary of the technologies and capabilities documented under section 4310(a).

“(17) A summary of the assessments conducted under section 4310(b)(1).”.

(e) Clerical Amendment.—The table of contents for the Atomic Energy Defense Act is amended by inserting after the item relating to section 4309 the following new item:

“Sec. 4310. Information relating to certain defense nuclear nonproliferation programs.”.

SEC. 3115. RESEARCH AND DEVELOPMENT OF ADVANCED NAVAL REACTOR FUEL BASED ON LOW-ENRICHED URANIUM.

(a) Prohibition on Availability of Funds for Fiscal Year 2018.—

(1) Research and development.—Except as provided by paragraph (2), none of the funds au-
authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for the Department of Energy or the Department of Defense may be obligated or expended to plan or carry out research and development of an advanced naval nuclear fuel system based on low-enriched uranium.

(2) EXCEPTION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for defense nuclear nonproliferation, as specified in the funding table in division D—

(A) $5,000,000 shall be made available to the Deputy Administrator for Naval Reactors of the National Nuclear Security Administration for low-enriched uranium activities (including downblending of high-enriched uranium fuel into low-enriched uranium fuel, research and development using low-enriched uranium fuel, or the modification or procurement of equipment and infrastructure related to such activities) to develop an advanced naval nuclear fuel system based on low-enriched uranium; and

(B) if the Secretary of Energy and the Secretary of the Navy determine under section 3118(c)(1) of the National Defense Authoriza-
tion Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1196) that such low-enriched uranium activities and research and development should continue, an additional $30,000,000 may be made available to the Deputy Administrator for such purpose.

(b) Prohibition on Availability of Funds Regarding Certain Accounts and Purposes.—

(1) Research and Development and Procurement.—Chapter 633 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 7319. Requirements for availability of funds relating to advanced naval nuclear fuel systems based on low-enriched uranium

“(a) Authorization.—Low-enriched uranium activities may only be carried out using funds authorized to be appropriated or otherwise made available for the Department of Energy for atomic energy defense activities for defense nuclear nonproliferation.

“(b) Prohibition Regarding Certain Accounts.—(1) None of the funds described in paragraph (2) may be obligated or expended to carry out low-enriched uranium activities.
“(2) The funds described in this paragraph are funds authorized to be appropriated or otherwise made available for any fiscal year for any of the following accounts:

“(A) Shipbuilding and conversion, Navy, or any other account of the Department of Defense.

“(B) Any account within the atomic energy defense activities of the Department of Energy other than defense nuclear nonproliferation, as specified in subsection (a).

“(3) The prohibition in paragraph (1) may not be superseded except by a provision of law that specifically supersedes, repeals, or modifies this section. A provision of law, including a table incorporated into an Act, that appropriates funds described in paragraph (2) for low-enriched uranium activities may not be treated as specifically superseding this section unless such provision specifically cites to this section.

“(c) LOW-ENRICHEO URANIUM ACTIVITIES DEFINED.—In this section, the term ‘low-enriched uranium activities’ means the following:

“(1) Planning or carrying out research and development of an advanced naval nuclear fuel system based on low-enriched uranium.

“(2) Procuring ships that use low-enriched uranium in naval nuclear propulsion reactors.”
(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

‘‘7319. Requirements for availability of funds relating to advanced naval nuclear fuel systems based on low-enriched uranium.’’.

(e) REPORTS.—

(1) SSN(X) SUBMARINE.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Navy and the Deputy Administrator for Naval Reactors shall jointly submit to the Committees on Armed Services of the House of Representatives and the Senate a report on the cost and timeline required to assess the feasibility, costs, and requirements for a design of the Virginia-class replacement nuclear attack submarine that would allow for the use of a low-enriched uranium fueled reactor, if technically feasible, without changing the diameter of the submarine.

(2) RESEARCH AND DEVELOPMENT.—Not later than 60 days after the date of the enactment of this Act, the Deputy Administrator for Naval Reactors shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report on—

(A) the planned research and development activities on low-enriched uranium and highly
enriched uranium fuel that could apply to the development of a low-enriched uranium fuel or an advanced highly enriched uranium fuel; and

(B) with respect to such activities for each such fuel—

(i) the costs associated with such activities; and

(ii) a detailed proposal for funding such activities.

SEC. 3116. NATIONAL NUCLEAR SECURITY ADMINISTRATION PAY AND PERFORMANCE SYSTEM.

(a) PAY ADJUSTMENT DEMONSTRATION PROJECT.—

(1) EXTENSION.—The Administrator for Nuclear Security shall carry out the pay banding and performance-based pay adjustment demonstration project of the National Nuclear Security Administration authorized under section 4703 of title 5, United States Code, until the date that is 10 years after the date of the enactment of this Act.

(2) MODIFICATIONS.—In carrying out the demonstration project described in paragraph (1), the Administrator—

(A) may, subject to subparagraph (B), revise the requirements and limitations of the
demonstration project to the extent necessary; and

(B) shall—

(i) ensure that the demonstration project is carried out in a manner consistent with the plan for the demonstration project published in the Federal Register on December 21, 2007 (72 Fed. Reg. 72776);

(ii) ensure that significant changes in the demonstration project not take effect until revisions, as necessary and applicable, to the plan for the demonstration project are approved by the Office of Personnel Management and published in the Federal Register;

(iii) ensure that procedural modifications or clarifications to the plan for the demonstration project be made through local notification processes;

(iv) authorize, and establish incentives for, employees of the National Nuclear Security Administration to have rotational assignments among different programs of the Administration, the headquarters and
field offices of the Administration, and the
management and operating contractors of
the Administration; and

(v) establish requirements for employ-
ees of the Administration who are in the
demonstration project described in para-
graph (1) to be promoted to senior-level
positions in the Administration, including
requirements with respect to—

   (I) professional training and con-
tinuing education; and

   (II) a certain number and types
   of rotational assignments under clause
   (iv), as determined by the Adminis-
   trator.

(3) APPLICATION TO NAVAL NUCLEAR PROPUL-
SION PROGRAM.—The Director of the Naval Nuclear
Propulsion Program established pursuant to section
4101 of the Atomic Energy Defense Act (50 U.S.C.
2511) and section 3216 of the National Nuclear Se-
curity Administration Act (50 U.S.C. 2406) may,
with the concurrence of the Secretary of the Navy,
apply the demonstration project described in para-
graph (1) to—
(A) all employees of the Naval Nuclear Propulsion Program in the competitive service (as defined in section 2102 of title 5, United States Code); and

(B) all employees of the Department of Navy who are assigned to the Naval Nuclear Propulsion Program and are in the excepted service (as defined in section 2103 of title 5, United States Code) (other than such employees in statutory excepted service systems).

(b) Rotations for Certain Contractors.—

(1) Increased Use.—The Administrator for Nuclear Security shall increase the use of rotational assignments of employees of the management and operating contractors of the National Nuclear Security Administration to the headquarters of the Administration, the Department of Defense and the military departments, the intelligence community, and other departments and agencies of the Federal Government.

(2) Methods.—The Administrator shall carry out paragraph (1) by—

(A) establishing incentives for—

(i) the management and operating contractors of the Administration and the
employees of such contractors to participate in rotational assignments; and

(ii) the departments and agencies of the Federal Government specified in such paragraph to facilitate such assignments;

(B) providing professional and leadership development opportunities during such assignments;

(C) using details and other applicable authorities and programs, including the mobility program under subchapter VI of chapter 33 of title 5, United States Code (commonly referred to as the “Intergovernmental Personnel Act Mobility Program’’); and

(D) taking such other actions as the Administrator determines appropriate to increase the use of such rotational assignments.

(c) RED-TEAM ANALYSIS.—

(1) ANALYSIS.—The Director for Cost Estimating and Program Evaluation of the National Nuclear Security Administration shall carry out a red-team analysis of the Federal employee staffing structure of the Administration with respect to the Administrator for Nuclear Security meeting the authorized personnel levels under section 3241A of the
(2) MATTERS INCLUDED.—The analysis under paragraph (1) shall include assessments of—

(A) the number of Federal employees within each program of the Administration, and whether such numbers are appropriately balanced with respect to the size, scope, functions, budgets, and risks, of the program; and

(B) the number of Senior Executive Service positions (as defined in section 3132(a) of title 5, United States Code) within the Administration, including a comparison of such number to other comparable departments and agencies of the Federal Government, and whether such number is appropriate.

(d) BRIEFINGS.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act—

(A) the Administrator shall provide a briefing to the appropriate congressional committees on the implementation of—

(i) section 3248 of the National Nuclear Security Administration Act, as added by subsection (a); and
1541

(ii) subsection (b); and

(B) the Director for Cost Estimating and Program Evaluation shall provide to such committees a briefing on the analysis under subsection (c).

(2) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term “appropriate congressional committees” means—

(A) the congressional defense committees;

(B) the Committee on Energy and Commerce of the House of Representatives and the Committee on Energy and Natural Resources of the Senate; and

(C) the Committee on Oversight and Government Reform of the House of Representatives and the Committee on Homeland Security and Governmental Affairs of the Senate.

SEC. 3117. BUDGET REQUESTS AND CERTIFICATION REGARDING NUCLEAR WEAPONS DISMANTLEMENT.

Section 3125 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2766) is amended—

(1) by redesignating subsection (d) as subsection (f); and
(2) by inserting after subsection (e) the fol-
lowing new subsections:

“(d) Budget Requests.—The Administrator for
Nuclear Security shall ensure that the budget of the Presi-
dent submitted to Congress under section 1105(a) of title
31, United States Code, for each of fiscal years 2019
through 2021 includes amounts for the nuclear weapons
dismantlement and disposition activities of the National
Nuclear Security Administration in accordance with the
limitation in subsection (a).

“(e) Certification.—Not later than February 1,
2018, the Administrator shall certify to the congressional
defense committees that the Administrator is carrying out
the nuclear weapons dismantlement and disposition activi-
ties of the Administration in accordance with the limita-
tions in subsections (a) and (b).”.

SEC. 3118. NUCLEAR WARHEAD DESIGN COMPETITION.

(a) Findings.—Congress finds the following:

(1) In January 2016, the co-chairs of a con-
gressionally mandated study panel from the National
Academies of Science testified to the following before
the Committee on Armed Services of the House of
Representatives:

(A) “The National Nuclear Security Ad-
ministration (NNSA) complex must engage in
robust design competitions in order to exercise the design and production skills that underpin stockpile stewardship and are necessary to meet evolving threats.”.

(B) “To exercise the full set of design skills necessary for an effective nuclear deterrent, the NNSA should develop and conduct the first in what the committee envisions to be a series of design competitions that integrate the full end-to-end process from novel design conception through engineering, building, and non-nuclear testing of a prototype.”.

(2) In March 2016 testimony before the Committee on Armed Services of the House of Representatives regarding a December 2016 Defense Science Board report entitled, “Seven Defense Priorities for the New Administration”, members of that Board said the following:

(A) “A key contributor to nuclear deterrence is the continuous, adaptable exercise of the development, design, and production functions for nuclear weapons in both the DOD and DOE.... Yet the DOE laboratories and DOD contractor community have done little integrated design and development work outside of
life extension for 25 years, let alone concept development that could serve as a hedge to surprise.”

(B) “The Defense Science Board believes that the triad’s complementary features remain robust tenets for the design of a future force. Replacing our current, aging force is essential, but not sufficient in the more complex nuclear environment we now face to provide the adaptability or flexibility to confidently hold at risk what adversaries value. In particular, if the threat evolves in ways that favorably change the cost/benefit calculus in the view of an adversary’s leadership, then we should be in a position to quickly restore a credible deterrence posture.”

(3) In a memorandum dated May 9, 2014, then-Secretary of Energy Ernie Moniz said the following:

(A) “If nuclear military capabilities are to provide deterrence for the nation they need to be relevant to the emerging global strategic environment. The current stockpile was designed to meet the needs of a bipolar world with roots in the Cold War era. A more complex, chaotic,
and dynamic security environment is emerging. In order to uphold the Department’s mission to ensure an effective nuclear deterrent... we must ensure our nuclear capabilities meet the challenges of known and potential geopolitical and technological trends. Therefore we must look ahead, using the expertise of our laboratories, to how the capabilities that may be employed by other nations could impact deterrence over the next several decades.”.

(B) “We must challenge our thinking about our programs of record in order to permit foresighted actions that may reduce, in the coming decades, the chances for surprise and that buttress deterrence.”.

(b) DESIGN COMPETITION.—

(1) IN GENERAL.—In accordance with paragraph (2), the Administrator for Nuclear Security, in coordination with the Chairman of the Nuclear Weapons Council, shall carry out a new and comprehensive design competition for a nuclear warhead that could be employed on ballistic missiles of the United States by 2030. Such competition shall—
(A) examine options for warhead design and related delivery system requirements in the 2030s, including—

(i) life extension of existing weapons;

(ii) new capabilities; and

(iii) such other concepts as the Administrator and the Chairman determine necessary to fully exercise and create responsive design capabilities in the enterprise and ensure a robust nuclear deterrent into the 2030s;

(B) assess how the capabilities and defenses that may be employed by other countries could impact deterrence in 2030 and beyond and how such threats could be addressed or mitigated in the warhead and related delivery systems;

(C) exercise the full set of design skills necessary for an effective nuclear deterrent and responsive enterprise through production of conceptual designs and, as the Administrator determines appropriate, production of non-nuclear prototypes of components or subsystems;
(D) examine and recommend actions for significantly shortening timelines and significantly reducing costs associated with design, development, certification, and production of the warhead, without reducing worker or public health and safety.

(2) **TIMING.**—The Administrator shall—

(A) during fiscal year 2018, develop a plan to carry out paragraph (1); and

(B) during fiscal year 2019, implement such plan.

(c) **BRIEFING.**—Not later than March 1, 2018, the Administrator, in coordination with the Chairman, shall provide a briefing to the congressional defense committees on the plan of the Administrator to carry out the warhead design competition under subsection (b). Such briefing shall include an assessment of the costs, benefits, risks, and opportunities of such plan, particularly impacts to ongoing life extension programs and infrastructure projects.

**SEC. 3119. MODIFICATION OF MINOR CONSTRUCTION THRESHOLD FOR PLANT PROJECTS.**

Section 4701(2) of the Atomic Energy Defense Act (50 U.S.C. 2741(2)) is amended by striking “$10,000,000” and inserting “$20,000,000”.
SEC. 3120. EXTENSION OF AUTHORIZATION OF ADVISORY BOARD ON TOXIC SUBSTANCES AND WORKER HEALTH.

Section 3687(i) of the Energy Employees Occupational Illness Compensation Program Act of 2000 (42 U.S.C. 7385s–16(i)) is amended by striking “5 years” and inserting “10 years”.

SEC. 3121. USE OF FUNDS FOR CONSTRUCTION AND PROJECT SUPPORT ACTIVITIES RELATING TO MOX FACILITY.

(a) IN GENERAL.—Except as provided by subsection (b), the Secretary of Energy shall carry out construction and project support activities relating to the MOX facility using funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for the National Nuclear Security Administration for the MOX facility.

(b) WAIVER.—

(1) IN GENERAL.—The Secretary may waive the requirement under subsection (a) to carry out construction and project support activities relating to the MOX facility if the Secretary submits to the congressional defense committees—

(A) the commitment of the Secretary to remove plutonium intended to be disposed of in the MOX facility from South Carolina and en-
sure a sustainable future for the Savannah
River Site;

(B) a certification that—

(i) an alternative option for carrying
out the plutonium disposition program for
the same amount of plutonium as the
amount of plutonium intended to be dis-
posed of in the MOX facility exists, meet-
ing the requirements of the Business Oper-
ating Procedure of the National Nuclear
Security Administration entitled “Analysis
of Alternatives” and dated March 14, 2016
(BOP–03.07); and

(ii) the remaining lifecycle cost, deter-
mined in a manner comparable to the cost
estimating and assessment best practices
of the Government Accountability Office,
as found in the document of the Govern-
ment Accountability Office entitled “GAO
Cost Estimating and Assessment Guide”
(GAO–09–3SP), for the alternative option
would be less than approximately half of
the estimated remaining lifecycle cost of
the mixed-oxide fuel program; and
1550

(C) the details of any statutory or regulatory changes necessary to complete the alternative option.

(2) ESTIMATES.—The Secretary shall ensure that the estimates used by the Secretary for purposes of the certification under paragraph (1)(B) are of comparable accuracy.

(c) DEFINITIONS.—In this section:

(1) MOX FACILITY.—The term “MOX facility” means the mixed-oxide fuel fabrication facility at the Savannah River Site, Aiken, South Carolina.

(2) PROJECT SUPPORT ACTIVITIES.—The term “project support activities” means activities that support the design, long-lead equipment procurement, and site preparation of the MOX facility.

SEC. 3122. PROHIBITION ON AVAILABILITY OF FUNDS FOR PROGRAMS IN RUSSIAN FEDERATION.

(a) PROHIBITION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for atomic energy defense activities may be obligated or expended to enter into a contract with, or otherwise provide assistance to, the Russian Federation.
(b) WAIVER.—The Secretary of Energy, without delegation, may waive the prohibition in subsection (a) only if—

(1) the Secretary determines, in writing, that a nuclear-related threat arising in the Russian Federation must be addressed urgently and it is necessary to waive the prohibition to address that threat;

(2) the Secretary of State and the Secretary of Defense concur in the determination under paragraph (1);

(3) the Secretary of Energy submits to the appropriate congressional committees a report containing—

(A) a notification that the waiver is in the national security interest of the United States;

(B) justification for the waiver, including the determination under paragraph (1); and

(C) a description of the activities to be carried out pursuant to the waiver, including the expected cost and timeframe for such activities; and

(4) a period of seven days elapses following the date on which the Secretary submits the report under paragraph (3).
(c) EXCEPTION.—The prohibition under subsection (a) and the requirements under subsection (b) to waive that prohibition shall not apply to an amount, not to exceed $3,000,000, that the Secretary may make available for the Department of Energy Russian Health Studies Program.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means the following:

(1) The congressional defense committees.

(2) The Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

Subtitle C—Plans and Reports

SEC. 3131. ANNUAL SELECTED ACQUISITION REPORTS ON CERTAIN HARDWARE RELATING TO DEFENSE NUCLEAR NONPROLIFERATION.

(a) IN GENERAL.—Title XLIII of the Atomic Energy Defense Act (50 U.S.C. 2563 et seq.), as amended by section 3114, is further amended by adding at the end the following new section:

“SEC. 4311. ANNUAL SELECTED ACQUISITION REPORTS ON CERTAIN HARDWARE RELATING TO DEFENSE NUCLEAR NONPROLIFERATION.

“(a) Annual Selected Acquisition Reports.—
“(1) IN GENERAL.—At the end of each fiscal year, the Administrator shall submit to the congressional defense committees a report on each covered hardware project. The reports shall be known as Selected Acquisition Reports for the covered hardware project concerned.

“(2) MATTERS INCLUDED.—The information contained in the Selected Acquisition Report for a fiscal year for a covered hardware project shall be the information contained in the Selected Acquisition Report for such fiscal year for a major defense acquisition program under section 2432 of title 10, United States Code, expressed in terms of the covered hardware project.

“(b) COVERED HARDWARE PROJECT DEFINED.—In this section, the term ‘covered hardware project’ means a project carried out under the defense nuclear non-proliferation research and development program that—

“(1) is focused on the production and deployment of hardware, including with respect to the development and deployment of satellites or satellite payloads; and

“(2) exceeds $500,000,000 in total program cost over the course of five years.”.
(b) Clerical Amendment.—The table of contents for the Atomic Energy Defense Act is amended by inserting after the item relating to section 4310, as added by section 3114, the following new item:

"Sec. 4311. Annual Selected Acquisition Reports on certain hardware relating to defense nuclear nonproliferation.".

5 SEC. 3132. ANNUAL REPORTS ON UNFUNDED PRIORITIES OF NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) In General.—Subtitle A of title XLVII of the Atomic Energy Defense Act (50 U.S.C. 2741 et seq.), as amended by section 3111(d), is further amended by adding at the end the following new section:

"SEC. 4716. UNFUNDED PRIORITIES OF THE NATIONAL NUCLEAR SECURITY ADMINISTRATION.

“(a) Annual Report.—Not later than 10 days after the date on which the budget of the President for a fiscal year is submitted to Congress pursuant to section 1105(a) of title 31, United States Code, the Administrator shall submit to the Secretary of Energy and the congressional defense committees a report on the unfunded priorities of the Administration.

“(b) Elements.—

“(1) In general.—Each report required by subsection (a) shall specify, for each unfunded priority covered by the report, the following:
“(A) A summary description of that priority, including the objectives to be achieved if that priority is funded (whether in whole or in part).

“(B) The additional amount of funds recommended in connection with the objectives under subparagraph (A).

“(C) Account information with respect to that priority.

“(2) PRIORITIZATION OF PRIORITIES.—Each report required by subsection (a) shall present the unfunded priorities covered by the report in order of urgency of priority.

“(c) UNFUNDED PRIORITY DEFINED.—In this section, the term ‘unfunded priority’, in the case of a fiscal year, means a program, activity, or mission requirement that—

“(1) is not funded in the budget of the President for that fiscal year as submitted to Congress pursuant to section 1105(a) of title 31, United States Code;

“(2) is necessary to fulfill a requirement associated with the mission of the Administration; and
“(3) would have been recommended for funding through the budget referred to in paragraph (1) by the Administrator—

“(A) if additional resources were available for the budget to fund the program, activity, or mission requirement; or

“(B) in the case of a program, activity, or mission requirement that emerged after the budget was formulated, if the program, activity, or mission requirement had emerged before the budget was formulated.”.

(b) Clerical Amendment.—The table of contents for the Atomic Energy Defense Act is amended by inserting after the item relating to section 4715, as added by section 3111(d), the following new item:

“Sec. 4716. Unfunded priorities of the National Nuclear Security Administration.”.

SEC. 3133. MODIFICATION OF CERTAIN REPORTING REQUIREMENTS.

(a) Status of Nuclear Materials Protection, Control, and Accounting Program.—

(1) REPEAL.—Section 4303 of the Atomic Energy Defense Act (50 U.S.C. 2563) is repealed.

(2) CLERICAL AMENDMENT.—The table of contents for the Atomic Energy Defense Act is amended by striking the item relating to section 4303.
(b) **Status of Security of Atomic Energy Defense Facilities.**—Section 4506 of the Atomic Energy Defense Act (50 U.S.C. 2657) is amended by striking “of each year” each place it appears and inserting “of each even-numbered year”.

(c) **Security Risks Posed to Nuclear Weapons Complex.**—

(1) **Included in Stockpile Stewardship and Management Plan.**—Section 4203 of the Atomic Energy Defense Act (50 U.S.C. 2523) is amended—

(A) in subsection (c)—

(i) by redesignating paragraphs (6) and (7) as paragraphs (7) and (8), respectively; and

(ii) by inserting after paragraph (5) the following new paragraph:

“(6) A summary of the plan regarding the research and development, deployment, and lifecycle sustainment of technologies described in subsection (d)(7).”; and

(B) in subsection (d)—

(i) by redesignating paragraph (7) as paragraph (8); and
(ii) by inserting after paragraph (6) the following new paragraph (7):

“(7) A plan for the research and development, deployment, and lifecycle sustainment of the technologies employed within the nuclear security enterprise to address physical and cyber security threats during the five fiscal years following the date of the report, together with—

“(A) for each site in the nuclear security enterprise, a description of the technologies deployed to address the physical and cybersecurity threats posed to that site;

“(B) for each site and for the nuclear security enterprise, the methods used by the Administration to establish priorities among investments in physical and cybersecurity technologies; and

“(C) a detailed description of how the funds identified for each program element specified pursuant to paragraph (1) in the budget for the Administration for each fiscal year during that five-fiscal-year period will help carry out that plan.”.

(2) CONFORMING AMENDMENT.—Section 3253(b) of the National Nuclear Security Adminis-
the first quarter of each fiscal year’’;

(B) by striking ‘‘or a major’’ and inserting ‘‘and each major’’; and

(C) by inserting ‘‘during the preceding fiscal year’’ after ‘‘4713(a)(2))’’; and

(2) in paragraph (2)—

(A) by striking ‘‘a fiscal-year quarter’’ and inserting ‘‘a fiscal year’’; and

(B) by striking ‘‘such fiscal-year quarter’’ and inserting ‘‘each fiscal-year quarter in that fiscal year’’.

(e) **Long-Term Plan for Meeting National Security Requirements for Unencumbered Uranium.**—Section 4221(a) of the Atomic Energy Defense Act (50 U.S.C. 2538e(a)) is amended by striking ‘‘Concurrent with’’ and all that follows through ‘‘2026’’ and insert-
ing “Not later than December 31 of each even-numbered
year through 2026”.

(f) Defense Nuclear Nonproliferation Management Plan.—

(1) Modification of Submission.—Section
4309 of the Atomic Energy Defense Act (50 U.S.C.
2575) is amended—

(A) by striking subsection (c);

(B) by redesignating subsection (b) as sub-
section (c); and

(C) by striking subsection (a) and insert-
ing the following new subsections:

“(a) Plan Required.—The Administrator shall de-
velop and annually update a five-year management plan
for activities associated with the defense nuclear non-
proliferation programs of the Administration to prevent
and counter the proliferation of materials, technology,
equipment, and expertise related to nuclear and radio-
logical weapons in order to minimize and address the risk
of nuclear terrorism and the proliferation of such weapons.

“(b) Submission to Congress.—(1) Not later than
March 15 of each even-numbered year, the Administrator
shall submit to the congressional defense committees a
summary of the plan developed under subsection (a).
“(2) Not later than March 15 of each odd-numbered year, the Administrator shall submit to the congressional defense committees a detailed report on the plan developed under subsection (a).

“(3) Each summary submitted under paragraph (1) and each report submitted under paragraph (2) shall be submitted in unclassified form, but may include a classified annex if necessary.”.

(2) Elimination of Identification of Future International Contributions.—Subsection (c) of such section, as redesignated by paragraph (1)(B), is further amended—

(A) by striking paragraph (14); and

(B) by redesigning paragraphs (15) and (16) as paragraphs (14) and (15), respectively.

(3) Conforming amendments.—Subsection (c) of such section, as redesignated by paragraph (1)(B) and amended by paragraph (2), is further amended—

(A) in paragraph (2), by striking “the plan required by subsection (a)” and inserting “the summary required by paragraph (1) of subsection (b) or the report required by paragraph (2) of that subsection, as the case may be”;

2017-12-15T00:00:00.000Z
(B) in paragraph (6), by striking “the plan required by subsection (a)” and inserting “the summary required by paragraph (1) of subsection (b) or the report required by paragraph (2) of that subsection, as the case may be”;

(C) in paragraph (7), by striking “the plan required by subsection (a)” and inserting “the summary required by paragraph (1) of subsection (b) or the report required by paragraph (2) of that subsection, as the case may be,”;

(D) in paragraph (9), by striking “the plan required by subsection (a)” and inserting “the summary required by paragraph (1) of subsection (b) or the report required by paragraph (2) of that subsection, as the case may be,”;

and

(E) in paragraph (10), by striking “the plan required by subsection (a)” and inserting “the summary required by paragraph (1) of subsection (b) or the report required by paragraph (2) of that subsection, as the case may be,”.
SEC. 3134. MODIFICATION TO STOCKPILE STEWARDSHIP, MANAGEMENT, AND RESPONSIVENESS PLAN.

Section 4203 of the Atomic Energy Defense Act (50 U.S.C. 2523), as amended by section 3133(c), is further amended—

(1) in subsection (c)—

(A) by redesignating paragraphs (7) and (8) as paragraphs (8) and (9), respectively; and

(B) by inserting after paragraph (6) the following new paragraph (7):

“(7) A summary of the assessment under subsection (d)(8) regarding the execution of programs with current and projected budgets and any associated risks.”; and

(2) in subsection (d)—

(A) by redesignating paragraph (8) as paragraph (9); and

(B) by inserting after paragraph (7) the following new paragraph (8):

“(8) An assessment of whether the programs described by the report can be executed with current and projected budgets and any associated risks.”.
SEC. 3135. ASSESSMENT AND DEVELOPMENT OF PROTOTYPE NUCLEAR WEAPONS OF FOREIGN COUNTRIES.

(a) Stockpile Stewardship, Management, and Responsiveness Plan.—Section 4203(d)(1) of the Atomic Energy Defense Act (50 U.S.C. 2523(d)(1)) is amended—

(1) in subparagraph (M), by striking “; and” and inserting a semicolon;

(2) in subparagraph (N), by striking the period at the end and inserting “; and”; and

(3) by adding at the end the following:

“(O) as required, when assessing and developing prototype nuclear weapons of foreign countries, a report from the directors of the national security laboratories on the need and plan for such assessment and development that includes separate comments on the plan from the Secretary of Energy and the Director of National Intelligence.”.

(b) Stockpile Responsiveness Program.—Section 4220(c) of the Atomic Energy Defense Act (50 U.S.C. 2538b(c)) is amended by adding at the end the following:

“(6) The retention of the ability, in consultation with the Director of National Intelligence, to assess
and develop prototype nuclear weapons of foreign
countries and, if necessary, to conduct no-yield test-
ing of those prototypes.”.

(c) CONFORMING REPEAL.—

(1) IN GENERAL.—Section 4509 of the Atomic
Energy Defense Act (50 U.S.C. 2660) is repealed.

(2) CLERICAL AMENDMENT.—The table of con-
tents for the Atomic Energy Defense Act is amended
by striking the items relating to sections 4508 and
4509.

SEC. 3136. PLAN FOR VERIFICATION, DETECTION, AND
MONITORING OF NUCLEAR WEAPONS AND
FISSILE MATERIAL.

(a) FINDINGS AND SENSE OF CONGRESS.—

(1) FINDINGS.—Congress finds the following:

(A) A January 2014 Defense Science
Board report found that “The nuclear future
will not be a linear extrapolation of the past...
[and] [t]he technologies and processes designed
for current treaty verification and inspections
are inadequate to future monitoring realities.”.

(B) Section 3133 of the Carl Levin and
Howard P. “Buck” McKeon National Defense
Authorization Act for Fiscal Year 2015 (Public
Law 113–291; 127 Stat. 3896) required an
interagency plan for monitoring of nuclear
weapons and fissile material, and section 3132
of the National Defense Authorization Act for
Fiscal Year 2017 (Public Law 114–328; 130
Stat. 2768) required an update of such plan. In
both instances, the reports submitted failed to
answer the congressional requirements, and in-
stead provided only a brief summary of the Na-
tional Security Council structure and processes.

(2) Sense of Congress.—It is the sense of
Congress that verification, detection, and monitoring
of nuclear weapons and fissile material should be a
priority for national security, and that the reports
submitted to date do not reflect this priority, or the
current and planned initiatives related to nuclear
verification and detection.

(b) Plan.—The President, in consultation with the
Secretary of State, the Secretary of Defense, the Secretary
of Energy, the Secretary of Homeland Security, and the
Director of National Intelligence, shall develop a plan for
verification and monitoring relating to the potential pro-
iferation of nuclear weapons, components of such weap-
ons, and fissile material.

(c) Elements.—The plan developed under sub-
section (b) shall include the following:
(1) A plan and road map for verification, detection, and monitoring, with respect to policy, operations, and research, development, testing, and evaluation, including—

(A) identifying requirements for such verification, detection, and monitoring;

(B) costs and funding requirements over 10 years for such verification, detection, and monitoring; and

(C) identifying and integrating roles, responsibilities, and planning for such verification, detection, and monitoring.

(2) A detailed international engagement plan for building cooperation and transparency, including bilateral and multilateral efforts, to improve inspections, detection, and monitoring.

(3) A detailed description of—

(A) current and planned research and development efforts to improve monitoring, detection, and in-field inspection and analysis capabilities, including persistent surveillance, remote monitoring, and rapid analysis of large data sets, including open-source data; and

(B) measures to coordinate technical and operational requirements early in the process.
(4) Engagement of relevant departments and agencies of the Federal Government and the military departments (including the Open Source Center and the United States Atomic Energy Detection System), national laboratories, industry, and academia.

(d) Designation of DOE.—The President shall designate the Department of Energy as the lead agency for development of the plan under subsection (b).

(e) Briefing.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Energy, acting through the Administrator for Nuclear Security, shall provide to the appropriate congressional committees an interim briefing on the plan under subsection (b).

(f) Limitation.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for the Department of Defense for supporting the Executive Office of the President, $10,000,000 may not be obligated or expended until the date on which the President submits to the appropriate congressional committees the plan under subsection (g)(1).

(g) Submission.—

(1) Deadline.—Not later than April 15, 2018, the President shall submit to the appropriate con-
gressional committees the plan developed under subsection (b).

(2) FORM.—The plan under subsection (b) shall be submitted in unclassified form, but, consistent with the protection of intelligence sources and methods, may include a classified annex.

(h) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means the following:

(1) The congressional defense committees.

(2) The Select Committee on Intelligence of the Senate and the Permanent Select Committee on Intelligence of the House of Representatives.

(3) The Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

(4) The Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Homeland Security of the House of Representatives.

SEC. 3137. REVIEW OF UNITED STATES NUCLEAR AND RADI-

OLOGICAL TERRORISM PREVENTION STRAT-

EGY.

(a) IN GENERAL.—The Secretary of Energy, acting
through the Administrator for Nuclear Security, shall
enter into an arrangement with the private scientific advis-
sory group known as JASON to assess and recommend
improvements to the strategies of the United States for
preventing, countering, and responding to nuclear and ra-
diological terrorism, specifically terrorism involving the
use of nuclear weapons, improvised nuclear devices, or ra-
diological dispersal or exposure devices, or the sabotage
of nuclear facilities.

(b) REVIEW.—The assessment conducted under sub-
section (a) shall address the adequacy of the strategies
of the United States described in that subsection and iden-
tify technical, policy, and resource gaps with respect to—

(1) identifying national and international nu-
clear and radiological terrorism risks and critical emerging threats;

(2) preventing state-sponsored actors and non-
state actors from acquiring the technologies, mate-
rials, and critical expertise needed to mount nuclear or radiological attacks, including dual-use tech-
nologies, materials, and expertise;
(3) countering efforts by state-sponsored actors
and non-state actors to mount such attacks;
(4) responding to nuclear and radiological ter-
rorism incidents to attribute their origin and help
manage their consequences; and
(5) other important matters identified by
JASON that are directly relevant to those strategies.
(c) RECOMMENDATIONS.—The assessment conducted
under subsection (a) shall include recommendations to the
Secretary of Energy, Congress, and such other Federal en-
tities as JASON considers appropriate, for preventing,
countering, and responding to nuclear and radiological ter-
orism, including recommendations for—
(1) closing technical, policy, or resource gaps;
(2) improving cooperation and appropriate inte-
gration among Federal entities and Federal, State,
and tribal governments;
(3) improving cooperation between the United
States and other countries and international organi-
izations; and
(4) other important matters identified by
JASON that are directly relevant to the strategies
of the United States described in subsection (a).
(d) LIAISONS.—The Secretary of Energy, the Sec-
retary of Defense, the Secretary of Homeland Security,
the Secretary of State, and the Director of National Intelligence shall appoint appropriate liaisons to JASON with respect to supporting the timely conduct of the assessment required by subsection (a).

(e) MATERIALS.—The Secretary of Energy, the Secretary of Defense, the Secretary of Homeland Security, the Secretary of State, and the Director of National Intelligence shall provide access to JASON to materials relevant to the assessment required by subsection (a), consistent with the protection of sources and methods and other critically sensitive information.

(f) CLEARANCES.—The Secretary of Energy and the Director of National Intelligence shall ensure that appropriate members and staff of JASON have the necessary clearances, obtained in an expedited manner, to conduct the assessment required by subsection (a).

SEC. 3138. ASSESSMENT OF MANAGEMENT AND OPERATING CONTRACTS OF NATIONAL SECURITY LABORATORIES.

(a) ASSESSMENT.—Not later than 30 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall seek to enter into a contract with a federally funded research and development center to conduct an assessment of the benefits, costs, challenges, risks, efficiency, and effectiveness of the strategy of the Admin-
istrator with respect to management and operating contracts for national security laboratories. The Administrator may not award such contract to a federally funded research and development center for which the Department of Energy or the National Nuclear Security Administration is the primary sponsor.

(b) COOPERATION.—The Administrator, and the director of each national security laboratory, shall provide to the federally funded research and development center conducting the assessment under subsection (a) the information the center requires to conduct such assessment.

(c) SUBMISSION.—

(1) NNSA.—Not later than 90 days after the date on which the Administrator and a federally funded research and development center enter into the contract under subsection (a), the center shall submit to the Administrator a report on the assessment conducted under such subsection. Such report shall include the following:

(A) An assessment of the acquisition strategy and the contract oversight process of the Administrator, and of the use of for-profit management and operating contractors at national security laboratories, and whether such strategy, process, and contractors provide the best
outcomes to the Federal Government with respect to performance, cost, efficiency, and effectiveness.

(B) An assessment of the total costs, for each national security laboratory, that are incurred because of using a for-profit model for the management and operating contract that would not be incurred under a nonprofit model, and whether performance, costs, efficiency, and effectiveness would be expected to increase or decrease under a nonprofit model.

(C) An assessment of whether the Administrator is appropriately using, managing, and overseeing the national security laboratories with respect to the nature of the laboratories as federally funded research and development centers.

(2) CONGRESS.—Not later than 30 days after the date on which the Administrator receives the report under paragraph (1), the Administrator shall submit to the congressional defense committees such report, without change, together with any comments the Administrator determines appropriate.

(3) LIMITATION.—
(A) AWARD OR EXTENSION OF CONTRACT.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 for the National Nuclear Security Administration may be obligated or expended to issue a final award, or issue a decision to extend, a management and operating contract for a national security laboratory until the date on which the Administrator submits to the congressional defense committees the report under paragraph (2).

(B) WAIVER FOR EXTENSION.—The Secretary of Energy may waive the limitation in subparagraph (A) with respect to the extension of a management and operating contract for a national security laboratory if the Secretary—

(i) determines such waiver is required in the interest of national security; and

(ii) notifies the Committees on Armed Services of the House of Representatives and the Senate of such determination.

(d) SENSE OF CONGRESS.—It is the sense of Congress that nothing in this section should be construed to mandate or encourage an extension of an existing manage-
ment and operating contract for a national security laboratory.

(e) National Security Laboratory Defined.—In this section, the term “national security laboratory” has the meaning given that term in section 4002(7) of the Atomic Energy Defense Act (50 U.S.C. 2501(7)).

SEC. 3139. EVALUATION OF CLASSIFICATION OF CERTAIN DEFENSE NUCLEAR WASTE.

(a) Evaluation.—The Secretary of Energy shall conduct an evaluation of the feasibility, costs, and cost savings of classifying covered defense nuclear waste as other than high-level radioactive waste, without decreasing environmental, health, or public safety requirements.

(b) Matters Included.—In conducting the evaluation under subsection (a), the Secretary shall consider—

(1) the estimated quantities and locations of covered defense nuclear waste;

(2) the potential disposal paths for such waste;

(3) the estimated disposal timeline for such waste;

(4) the estimated costs for disposal of such waste, and potential cost savings;

(5) the potential effect on existing consent orders, permits, and agreements;
(6) the basis by which the Secretary would
make a decision on reclassification of such waste;
and
(7) any such other matters relating to defense
nuclear waste or other reprocessing waste that the
Secretary determines appropriate.
(c) REPORT.—Not later than February 1, 2018, the
Secretary shall submit to the appropriate congressional
committees a report on the evaluation under subsection
(a), including a description of—
(1) the consideration by the Secretary of the
matters under subsection (b);
(2) any actions the Secretary has taken or
plans to take to change the processes, rules, regula-
tions, orders, or directives, relating to defense nu-
clear waste, as appropriate;
(3) any recommendations for legislative action
the Secretary determines appropriate; and
(4) the assessment of the Secretary regarding
the benefits and risks of the actions and rec-
ommendations of the Secretary under paragraphs
(1) and (2).
(d) DIFFERENTIATION OF WASTE.—In conducting
the evaluation under subsection (a) and preparing the re-
port required by subsection (c), the Secretary shall distin-
guish between covered nuclear waste described in subpar-
paragraph (A) of subsection (e)(2) and covered nuclear waste
described in subparagraph (B) of that subsection.

(e) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMIT-
TEES.—The term “appropriate congressional com-
mittees” means the following:

(A) The congressional defense committees.

(B) The Committee on Energy and Com-
merce of the House of Representatives.

(C) The Committee on Energy and Nat-
ural Resources of the Senate.

(2) COVERED DEFENSE NUCLEAR WASTE.—The
term “covered defense nuclear waste” means radio-
active waste that resulted from the reprocessing of
spent nuclear fuel that was generated from atomic
energy defense activities and that—

(A) contains more than 100 nCi/g of
alpha-emitting transuranic isotopes with half-
lives greater than 20 years; or

(B) may be classified, managed, treated,
and disposed of, regardless of origin or previous
classification, as other than high-level radio-
active waste.
SEC. 3140. IMPROVED REPORTING FOR ANTI-SMUGGLING RADIATION DETECTION SYSTEMS.

(a) ANNUAL REPORT.—Together with the submission to Congress of the budget of the President under section 1105(a) of title 31, United States Code, for each of fiscal years 2019 through 2021, the Administrator for Nuclear Security shall submit to the congressional defense committees a report regarding any anti-smuggling radiation detection systems that the Administrator proposes to deploy during the fiscal year covered by the budget.

(b) MATTERS INCLUDED.—Each report under subsection (a) shall include the following:

(1) The probability of detection for the anti-smuggling radiation detection systems covered by the report against realistic potential smuggling threats, including shielded and unshielded uranium, plutonium, and other special nuclear material.

(2) The costs associated with the deployments of such systems, including costs to the United States and costs to any host country.

(3) Options for technological advances that would make radiation detection less expensive or more effective.

(4) The benefits to the national security of the United States resulting from the deployments of such systems.
SEC. 3141. PLUTONIUM CAPABILITIES.

(a) REPORT.—Not later than 30 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall submit to the congressional defense committees and the Secretary of Defense a report on the recommended alternative endorsed by the Administrator for recapitalization of plutonium science and production capabilities of the nuclear security enterprise. The report shall identify the recommended alternative endorsed by the Administrator and contain the analysis of alternatives, including costs, upon which the Administrator relied in making such endorsement.

(b) CERTIFICATION.—Not later than 60 days after the date on which the Secretary of Defense receives the report required by subsection (a), the Chairman of the Nuclear Weapons Council shall submit to the congressional defense committees the written certification of the Chairman regarding whether—

(1) the recommended alternative described in subsection (a)—

(A) is acceptable to the Secretary of Defense and the Nuclear Weapons Council and meets the requirements of the Secretary for plutonium pit production capacity and capability;
(B) is likely to meet the pit production timelines and milestones required by section 4219 of the Atomic Energy Defense Act (50 U.S.C. 2538a);

(C) is likely to meet pit production timelines and requirements responsive to military requirements;

(D) is cost effective and has reasonable near-term and lifecycle costs that are minimized, to the extent practicable, as compared to other alternatives;

(E) contains minimized and manageable risks as compared to other alternatives; and

(F) can be acceptably reconciled with any differences in the conclusions made by the Office of Cost Assessment and Program Evaluation of the Department of Defense in the business case analysis of plutonium pit production capability issued in 2013; and

(2) the Administrator has—

(A) documented the assumptions and constraints used in the analysis of alternatives described in subsection (a); and
(B) tested and documented the sensitivity of the cost estimates for each alternative to risks and changes in key assumptions.

(c) **ASSESSMENT.**—

(1) **IN GENERAL.**—Not later than 90 days after the date of the enactment of this Act, the Director for Cost Estimating and Program Evaluation of the National Nuclear Security Administration shall provide to the congressional defense committees a briefing containing the assessment of the Director of the analysis of alternatives described in subsection (a).

(2) **ELEMENTS.**—The briefing required by paragraph (1) shall include—

(A) descriptions of the scope, risks, and costs for alternatives not considered in the analysis of alternatives that the Director deems viable; and

(B) any views of the Administrator regarding such alternatives.

(d) **EFFECT OF FAILURE TO IDENTIFY RECOMMENDED ALTERNATIVE.**—The Administrator shall carry out the modular building strategy (as defined in section 3114(c)(3) of the National Defense Authorization Act for Fiscal Year 2013 (50 U.S.C. 2535 note)) at Los Alamos National Laboratory, Los Alamos, New Mexico, if,
by the date that is 150 days after the date of the enactment of this Act—

(1) the Administrator has not identified, in the report required by subsection (a), the recommended alternative proposed by the Administrator for recapitalization of plutonium science and production capabilities of the nuclear security enterprise; or

(2) the Chairman of the Nuclear Weapons Council has not certified under subsection (b) that the recommended alternative proposed by the Administrator meets the criteria described in subparagraphs (A) through (F) of paragraph (1) of that subsection.

(e) NUCLEAR SECURITY ENTERPRISE DEFINED.—In this section, the term “nuclear security enterprise” has the meaning given that term in section 4002 of the Atomic Energy Defense Act (50 U.S.C. 2501).

SEC. 3142. REPORT ON CRITICAL DECISION 1 ON MATERIAL STAGING FACILITY PROJECT.

Not later than 30 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall submit to the congressional defense committees a report containing the following:

(1) The decision memorandum of the Administrator with respect to critical decision 1 in the acqui-
sition process for the Material Staging Facility project at the Pantex Plant, Amarillo, Texas.

(2) The preferred alternative approved by the Administrator for such critical decision 1.

(3) The cost-range estimates for such critical decision 1, including a description of the costs saved or avoided from not carrying out recapitalization and sustainment of Area 4 at the Pantex Plant.

(4) The schedule-range estimates for such critical decision 1 that include completion of the Material Staging Facility by 2024.

(5) The risk factors and risk mitigation and management options relating to the Material Staging Facility.

(6) The expected improvements to operations and security provided by the Material Staging Facility, once operational, including the potential annual cost savings.

(7) Such other matters as the Administrator considers appropriate.

SEC. 3143. PLAN TO FURTHER MINIMIZE THE USE OF HIGHLY ENRICHED URANIUM FOR MEDICAL ISOTOPES.

(a) PLAN.—The Secretary of Energy, in consultation with the Secretary of State, shall develop and assess a
plan, including with respect to the benefits, risks, costs, and opportunities of the plan, to—

(1) take additional actions to promote the wider utilization of molybdenum-99 and technetium-99m produced without the use of highly enriched uranium targets, such as, at a minimum, by—

(A) eliminating the availability of highly enriched uranium for molybdenum-99 by buying back United States-origin highly enriched uranium in raw or target form from global molybdenum-99 suppliers; and

(B) restricting or placing financial penalties on the import of molybdenum-99 produced with highly enriched uranium targets;

(2) work with global molybdenum suppliers and regulators to reduce the proliferation hazard from reprocessing waste from medical isotope production containing United States-origin highly enriched uranium; and

(3) ensure an adequate supply of molybdenum-99 and technetium-99 at all times, and both assess and mitigate any risks to such supply during a transition to production without the use of highly enriched uranium.

(b) Subdivision.—
(1) IN GENERAL.—Not later than April 1, 2018, the Secretary of Energy shall submit to the appropriate congressional committees a report containing the plan and assessment under subsection (a).

(2) FORM.—The report under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(3) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term “appropriate congressional committees” means—

(A) the congressional defense committees; 

(B) the Committee on Foreign Affairs and the Committee on Energy and Commerce of the House of Representatives; and 

(C) the Committee on Foreign Relations and the Committee on Energy and Natural Resources of the Senate.

Subtitle D—Other Matters

SEC. 3151. SENSE OF CONGRESS REGARDING COMPENSATION OF INDIVIDUALS RELATING TO URANIUM MINING AND NUCLEAR TESTING.

(a) FINDINGS.—Congress makes the following findings:
(1) The Radiation Exposure Compensation Act (42 U.S.C. 2210 note) was enacted in 1990 to provide monetary compensation to individuals who contracted certain cancers and other serious diseases following their exposure to radiation released during atmospheric nuclear weapons testing during the Cold War or following exposure to radiation as a result of employment in the uranium industry during the Cold War.

(2) The Energy Employees Occupational Illness Compensation Program Act of 2000 (42 U.S.C. 7384 et seq.) formally acknowledged the dangers to which some employees of sites of the Department of Energy and its vendors during the Cold War were exposed. That Act also acknowledged that, although establishing the link between occupational hazards and specific diseases can be difficult, scientific evidence exists to support the conclusion that some activities related to Cold War nuclear weapons production have resulted in increased risk of illness and death to workers. That Act established a formal process for the submission of claims for medical expenses and lump sum compensation for former employees and contractors and survivors of those former employees and contractors.
(3) As of the date of the enactment of this Act, more than 145,775 claims have been paid out under the Radiation Exposure Compensation Act and the Energy Employees Occupational Illness Compensation Program Act of 2000, for a total of at least $16,400,000,000 in lump sum compensation and medical expenses.

(b) Sense of Congress.—It is the sense of Congress that the United States Government should appropriately compensate and recognize the employees, contractors, and other individuals described in subsection (a).

TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

Sec. 3201. Authorization.

SEC. 3201. AUTHORIZATION.

(a) Authorization.—There are authorized to be appropriated for fiscal year 2018, $30,600,000 for the operation of the Defense Nuclear Facilities Safety Board under chapter 21 of the Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

(b) Certification.—Not later than 10 days after the date on which the budget of the President for fiscal year 2019 or any fiscal year thereafter is submitted to Congress pursuant to section 1105(a) of title 31, United
States Code, the Defense Nuclear Facilities Safety Board shall submit to the congressional defense committees a letter certifying that the requested budget is sufficient to carry out the mission of the Defense Nuclear Facilities Safety Board during the fiscal year covered by the budget request.

**TITLE XXXIV—NAVAL PETROLEUM RESERVES**

Sec. 3401. Authorization of appropriations.

**SEC. 3401. AUTHORIZATION OF APPROPRIATIONS.**

(a) AMOUNT.—There are hereby authorized to be appropriated to the Secretary of Energy $4,900,000 for fiscal year 2018 for the purpose of carrying out activities under chapter 641 of title 10, United States Code, relating to the naval petroleum reserves.

(b) PERIOD OF AVAILABILITY.—Funds appropriated pursuant to the authorization of appropriations in subsection (a) shall remain available until expended.

**TITLE XXXV—MARITIME MATTERS**

Sec. 3501. Authorization of the Maritime Administration.
Sec. 3502. Merchant Ship Sales Act of 1946.
Sec. 3503. Maritime Security Fleet Program; restriction on operation for new entrants.
Sec. 3504. Codification of sections relating to acquisition, charter, and requisition of vessels.
Sec. 3505. Assistance for small shipyards.
Sec. 3506. Report on sexual assault victim recovery in the Coast Guard.
Sec. 3507. Centers of excellence.
Sec. 3508. Foreign spill protection.
Sec. 3509. Removal of adjunct professor limit at United States Merchant Marine Academy.

Sec. 3510. Acceptance of guarantees in conjunction with partial donations for major projects of the United States Merchant Marine Academy.

Sec. 3511. Authority to pay conveyance or transfer expenses in connection with acceptance of a gift to the United States Merchant Marine Academy.

Sec. 3512. Authority to participate in Federal, State or other research grants.

Sec. 3513. Provision of satellite communication devices during Sea Year program.

Sec. 3514. Actions to address sexual harassment, dating violence, domestic violence, sexual assault, and stalking at the United States Merchant Marine Academy.

Sec. 3515. Sexual assault prevention and response staff for the United States Merchant Marine Academy.

Sec. 3516. Protection of cadets at the United States Merchant Marine Academy from sexual assault onboard commercial vessels.

Sec. 3517. Training requirement for sexual assault investigators.

**SEC. 3501. AUTHORIZATION OF THE MARITIME ADMINISTRATION.**

(a) IN GENERAL.—There are authorized to be appropriated to the Department of Transportation for fiscal year 2018, to be available without fiscal year limitation if so provided in appropriations Acts, for programs associated with maintaining the United States merchant marine, the following amounts:

(1) For expenses necessary for operations of the United States Merchant Marine Academy, $87,000,000, of which—

(A) $69,000,000 shall be for Academy operations including—

(i) the implementation of section 3514(b) of the National Defense Author-
1591

(2) For expenses necessary to support the State maritime academies, $29,550,000, of which—

(A) $2,400,000 shall remain available until September 30, 2019, for the Student Incentive Program;

(B) $3,000,000 shall remain available until expended for direct payments to such academies;

(C) $22,000,000 shall remain available until expended for maintenance and repair of State maritime academy training vessels;

(D) $1,800,000 shall remain available until expended for training ship fuel assistance; and

(E) $350,000 shall remain available until expended for expenses to improve the monitoring of the service obligations of graduates.
(3) For expenses necessary to support the National Security Multi-Mission Vessel Program, $50,000,000, which shall remain available until expended.

(4) For expenses necessary to support Maritime Administration operations and programs, $60,020,000.

(5) For expenses necessary to dispose of vessels in the National Defense Reserve Fleet, $9,000,000, which shall remain available until expended.

(6) For expenses necessary to maintain and preserve a United States flag merchant marine to serve the national security needs of the United States under chapter 531 of title 46, United States Code, $300,000,000.

(7) For expenses necessary for the loan guarantee program authorized under chapter 537 of title 46, United States Code, $33,000,000, of which—

(A) $30,000,000 may be used for the cost (as defined in section 502(5) of the Federal Credit Reform Act of 1990 (2 U.S.C. 661a(5))) of loan guarantees under the program; and

(B) $3,000,000 may be used for administrative expenses relating to loan guarantee commitments under the program.
(b) Assistance for Small Shipyards and Maritime Communities.—Section 54101(i) of title 46, United States Code, is amended by striking “2015” and all that follows before the period and inserting “2018, 2019, and 2020 to carry out this section $35,000,000”.

SEC. 3502. MERCHANT SHIP SALES ACT OF 1946.

(a) Amendments.—The Merchant Ship Sales Act of 1946 (50 U.S.C. 4401 et seq.) is amended by—

(1) repealing the first section and sections 2, 3, 5, 12, and 14;

(2) in section 8, redesignating subsection (d) as section 56308 of title 46, United States Code, and transferring it to appear after section 56307 of such title; and

(3) redesignating section 11 as section 57100 of title 46, United States Code, and transferring it to appear before section 57101 of such title.

(b) Conforming and Clerical Amendments.—

(1) Section 2218 of title 10, United States Code, is amended by striking “section 11 of the Merchant Ship Sales Act of 1946 (50 U.S.C. App. 1744)” each place it appears and inserting “section 57100 of title 46”.

(2) Section 3134 of title 40, United States Code, is amended—
(A) by striking “31,” and inserting “31 or”; and

(B) by striking “or the Merchant Ship Sales Act of 1946 (50 App. U.S.C. 1735 et seq.),”.

(3) Section 3703a(b)(6) of title 46, United States Code, is amended by striking “section 11 of the Merchant Ship Sales Act of 1946 (50 App. U.S.C. 1744)” and inserting “section 57100”.


(5) Section 56308 of title 46, United States Code, as redesignated and transferred by subsection (a)(2) of this section, is amended—

(A) by striking so much as precedes “vessel constructed” and inserting the following:

§ 56308. Transfer of substitute vessels

“In the case of any”;

(B) by inserting “of Transportation” after “Secretary”; and

(C) by striking “adjustments with respect to the retained vessels as provided for in section 9, and”.

“§ 56308. Transfer of substitute vessels

“In the case of any”;

(B) by inserting “of Transportation” after “Secretary”; and

(C) by striking “adjustments with respect to the retained vessels as provided for in section 9, and”.
(6) Section 57100 of title 46, United States Code, as redesignated and transferred by subsection (a)(3) of this section, is amended—

(A) by striking so much as precedes the text of subsection (a) and inserting the following:

“§ 57100. National Defense Reserve Fleet

“(a) Fleet Components.—”;

(B) in subsection (b), by inserting before the first sentence the following: “PERMITTED USES.—”; and

(C) in subsection (e)—

(i) by inserting before the first sentence the following: “EXEMPTION FROM TANK VESSEL CONSTRUCTION STANDARDS.—”; and

(ii) by striking “of title 46, United States Code”.

(7) Section 57101 of title 46, United States Code, is amended by striking “maintained under section 11 of the Merchant Ship Sales Act of 1946 (50 App. 1744)”.

(8) The analysis for chapter 563 of title 46, United States Code, is amended by inserting after the item relating to section 56307 the following:

“56308. Transfer of substitute vessels.”.
The analysis for chapter 571 of title 46, United States Code, is amended by inserting before the item relating to section 57101 the following:


SEC. 3503. MARITIME SECURITY FLEET PROGRAM; RESTRICTION ON OPERATION FOR NEW ENTRANTS.

(a) Restriction.—Section 53105(a) of title 46, United States Code, is amended—

(1) in paragraph (1)(A), by inserting "", except as provided in paragraph (2),"" after ""in the foreign commerce or"";

(2) in paragraph (1)(B), by striking ""and"" after the semicolon at the end;

(3) by redesignating paragraph (2) as paragraph (3); and

(4) by inserting after paragraph (1) the following:

""(2) in the case of a vessel, other than a replacement vessel under subsection (f), first covered by an operating agreement after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2018, the vessel shall not be operated in the transportation of cargo between points in the United States and its territories either directly or via a foreign port; and""."
(b) CONFORMING AMENDMENTS.—Section 53106 of title 46, United States Code, is amended—

(1) in subsection (b), by striking “section 53105(a)(1)” and inserting “paragraph (1) and (2) of section 53105(a), as otherwise applicable with respect to such vessel,”; and

(2) in subsection (d)(3), by striking “section 53105(a)(1)” and inserting “paragraph (1) and (2) of section 53105(a), as otherwise applicable with respect to such vessel”.

SEC. 3504. CODIFICATION OF SECTIONS RELATING TO ACQUISITION, CHARTER, AND REQUISITION OF VESSELS.

(a) EMERGENCY FOREIGN VESSEL ACQUISITION; PURCHASE OR REQUISITION OF VESSELS LYING IDLE IN UNITED STATES WATERS.—The first section of the Act of August 9, 1954 (ch. 659; 50 U.S.C. 196)—

(1) is redesignated as section 56309 of title 46, United States Code, and transferred to appear at the end of chapter 563 of such title, as otherwise amended by this title; and

(2) is amended—

(A) by striking “That during” and inserting the following:
§ 56309. Emergency foreign vessel acquisition; purchase or requisition of vessels lying idle in United States waters

“During”;

(B) by striking “section 902 of the Merchant Marine Act, 1936, as amended” each place it appears and inserting “this chapter”; and

(C) by striking “the second paragraph of subsection (d) of such section 902, as amended” and inserting “section 56305”.

(b) VOLUNTARY PURCHASE OR CHARTER AGREEMENTS.—Section 2 of such Act (50 U.S.C. 197)—

(1) is redesignated as section 56310 of title 46, United States Code, and transferred to appear after section 56309 of such title (as amended by subsection (a)); and

(2) is amended—

(A) by striking so much as proceeds “During” and inserting the following:

§ 56310. Voluntary purchase or charter agreements;

and

(B) by striking “section 902 of the Merchant Marine Act, 1936,” and inserting “this chapter”.
(c) **REQUISITIONED VESSELS.**—Section 3 of such Act (50 U.S.C. 198)—

(1) is redesignated as section 56311 of title 46, United States Code, and transferred to appear after section 56310 of such title (as amended by subsections (a) and (b));

(2) is amended by striking so much as precedes subsection (a) and inserting the following:

“§ 56311. Requisitioned vessels”; and

(3) is amended—

(A) except as provided in subparagraphs (B) and (C), by striking “this Act” each place it appears and inserting “section 56309 or 56310, as applicable”;

(B) in subsection (c)—

(i) in the first sentence, by striking “this Act” and inserting “section 56309 or 56310, as applicable,”; and

(ii) by striking “The second paragraph of section 9 of the Shipping Act, 1916, as amended,” and inserting “Section 57109”; and

(C) in subsection (d)—

(i) in the first sentence by striking “provisions of section 3709 of the Revised
Statutes” and inserting “section 6101 of title 41”;

(ii) in the second sentence—

(I) by striking “this Act” and inserting “section 56309 or 56310, as applicable,”; and

(II) by striking “said section 3709” and inserting “section 6101 of title 41”;

(iii) by striking “title VII of the Merchant Marine Act, 1936” and inserting “chapter 575”; and

(iv) by striking subsection (f).

(d) DOCUMENTED DEFINED.—Chapter 563 of title 46, United States Code, as amended by this section, is further amended by adding at the end the following:

§ 56312. Documented defined

“In sections 56309 through 56311, the term ‘documented’ means, with respect to a vessel, that a certificate of documentation has been issued for the vessel under chapter 121.”.

(e) CLERICAL AMENDMENT.—The analysis for chapter 563 of title 46, United States Code, as otherwise amended by this title, is further amended by adding at the end the following:
1601

“56309. Emergency foreign vessel acquisition; purchase or requisition of vessels
lying idle in United States waters
“56310. Voluntary purchase or charter agreements
“56311. Requisitioned vessels
“56312. Documented defined”.

(f) REFERENCES.—Any reference in a law, regulation, document, paper, or other record of the United
States to a section that is redesignated and transferred
by this section is deemed to refer to such section as so
redesignated and transferred.

SEC. 3505. ASSISTANCE FOR SMALL SHIPYARDS.

(a) IN GENERAL.—Section 54101 of title 46, United
States Code, is amended—

(1) in the section heading, by striking “and
maritime communities”;

(2) in subsection (a)(2), by striking “in commu-
nities” and all that follows through the period and
inserting “relating to shipbuilding, ship repair, and
associated industries.”;

(3) by amending subsection (b) to read as fol-

dows:

“(b) AWARDS.—

“(1) IN GENERAL.—In providing assistance
under the program, the Administrator shall consider
projects that foster—

“(A) efficiency, competitive operations, and
quality ship construction, repair, and reconfig-
uration; and
“(B) employee skills and enhanced productivity related to shipbuilding, ship repair, and associated industries.

“(2) **TIMING OF GRANTS.**—The Administrator shall award grants under this section not later than 120 days after the date of the enactment of the appropriations Act for the fiscal year concerned.

“(3) **REUSE OF UNEXPENDED GRANT FUNDS.**—Notwithstanding paragraph (2), amounts awarded as a grant under this section that are not expended by the grantee shall remain available to the Administrator for use for grants under this section.”;

(4) in subsection (c)(1)—

(A) by inserting “to” after “may be used”;

and

(B) by striking subparagraphs (A), (B), and (C) and inserting the following:

“(A) make capital and related improvements in small shipyards; and

“(B) provide training for workers in shipbuilding, ship repair, and associated industries.”;

(5) in subsection (d), by striking “unless” and all that follows before the period; and

(6) in subsection (e)—
(A) by striking paragraph (2);

(B) by redesignating paragraph (3) as paragraph (2); and

(C) in paragraph (1) by striking “Except as provided in paragraph (2),”.

(b) CLERICAL AMENDMENT.—The analysis for chapter 541 of title 46, United States Code, is amended by striking the item relating to section 54101 and inserting the following:

“54101. Assistance for small shipyards.”.

SEC. 3506. REPORT ON SEXUAL ASSAULT VICTIM RECOVERY IN THE COAST GUARD.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Commandant of the Coast Guard shall submit to the Committee on Transportation and Infrastructure of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate a report on sexual assault prevention and response policies of the Coast Guard and strategic goals related to sexual assault victim recovery.

(b) CONTENTS.—The report shall—

(1) describe Coast Guard strategic goals relating to sexual assault climate, prevention, response, and accountability, and actions taken by the Coast Guard to promote sexual assault victim recovery;
(2) explain how victim recovery is being incor-
porated into Coast Guard strategic and pro-
grammatic guidance related to sexual assault pre-
vention and response;

(3) examine current Coast Guard sexual assault
prevention and response policy with respect to—

(A) Coast Guard criteria for what com-
prises sexual assault victim recovery;

(B) alignment of Coast Guard personnel
policies to enhance—

(i) an approach to sexual assault re-
response that gives priority to victim recov-
ery;

(ii) upholding individual privacy and
dignity; and

(iii) the opportunity for the continu-
ation of Coast Guard service by sexual as-
sault victims; and

(C) sexual harassment response, including
a description of the circumstances under which
sexual harassment is considered a criminal of-
fense; and

(4) to ensure victims and supervisors under-
stand the full scope of resources available to aid in
long-term recovery, explain how the Coast Guard in-
forms its workforce about changes to sexual assault
prevention and response policies related to victim re-
covery.

SEC. 3507. CENTERS OF EXCELLENCE.

(a) In general.—Chapter 541 of title 46, United
States Code, is amended by adding at the end the fol-
lowing:

“§54102. Centers of excellence for domestic maritime
workforce training and education

“(a) Designation.—The Secretary of Transpor-
tation may designate as a center of excellence for domestic
maritime workforce training and education a covered
training entity located in a State that borders on the—

“(1) Gulf of Mexico;
“(2) Atlantic Ocean;
“(3) Long Island Sound;
“(4) Pacific Ocean;
“(5) Great Lakes;
“(6) Mississippi River System;
“(7) Arctic; or
“(8) Gulf of Alaska.

“(b) Assistance.—The Secretary may enter into a
cooperative agreement (as that term is used in section
6305 of title 31) with a center of excellence designated
under subsection (a) to support maritime workforce train-
ing and education at the center of excellence, including efforts of the center of excellence to—

“(1) admit additional students;
“(2) recruit and train faculty;
“(3) expand facilities;
“(4) create new maritime career pathways; or
“(5) award students credit for prior experience, including military service.

“(e) DEFINITIONS.—In this section,

“(1) COVERED TRAINING ENTITY.—the term ‘covered training entity’ means an entity that is—

“(A) a community or technical college; or
“(B) a maritime training center—

“(i) operated by, or under the supervision of, a State; and
“(ii) with a maritime training program in operation on the date of enactment of this section.

“(2) ARCTIC.—The term ‘Arctic’ has the meaning that term has under section 112 of the Arctic Research and Policy Act of 1984 (15 U.S.C. 4111).”.

(b) CLERICAL AMENDMENT.—The analysis for chapter 541 of title 46, United States Code, is amended by
inserting after the item relating to section 54101 the following:

“54102. Centers of excellence for domestic maritime workforce training and education.”

SEC. 3508. FOREIGN SPILL PROTECTION.

(a) Short Title.—This section may be cited as the “Foreign Spill Protection Act of 2017”.

(b) Liability of Owners and Operators of Foreign Facilities.—

(1) Oil Pollution Control Act Amendments.—

(A) Definitions.—Section 1001 of the Oil Pollution Act of 1990 (33 U.S.C. 2701) is amended—

(i) in paragraph (26)(A)—

(I) in clause (ii), by striking “onshore or offshore facility, any person” and inserting “onshore facility, offshore facility, or foreign offshore unit or other facility located seaward of the exclusive economic zone, any person or entity”; and

(II) in clause (iii), by striking “offshore facility, the person who” and inserting “offshore facility or foreign offshore unit or other facility lo-
in paragraph (32)—

(I) by redesignating subparagraphs (D) through (F) as subparagraphs (E) through (G), respectively;

(II) by inserting after subparagraph (C) the following:

“(D) FOREIGN FACILITIES.—In the case of a foreign offshore unit or other facility located seaward of the exclusive economic zone, any person or other entity owning or operating the facility, and any leaseholder, permit holder, assignee, or holder of a right of use and easement granted under applicable foreign law for the area in which the facility is located.”; and

(III) in subparagraph (G), as so redesignated, by striking “or offshore facility, the persons who” and inserting “, offshore facility, or foreign offshore unit or other facility located seaward of the exclusive economic zone, the persons or entities that”.
(B) ACTIONS ON BEHALF OF FUND.—Section 1015(e) of the Oil Pollution Act of 1990 (33 U.S.C. 2715(e)) is amended, in the third sentence, by adding before the period at the end the following: “or other facility located seaward of the exclusive economic zone”.

(2) FEDERAL WATER POLLUTION CONTROL ACT AMENDMENTS.—Section 311(a)(11) of the Federal Water Pollution Control Act (33 U.S.C. 1321(a)(11)) is amended—

(A) by striking “and any facility” and inserting “any facility”; and

(B) by inserting “, and, for the purposes of applying subsections (b), (e), (e), and (o), any foreign offshore unit (as defined in section 1001 of the Oil Pollution Act) or any other facility located seaward of the exclusive economic zone” after “public vessel”.

SEC. 3509. REMOVAL OF ADJUNCT PROFESSOR LIMIT AT UNITED STATES MERCHANT MARINE ACADEMY.

Section 51317 of title 46, United States Code, is amended—

(1) in subsection (b)—
(A) in paragraph (1), by striking “and” at
the end; and

(B) in paragraph (2), by striking the pe-
period at the end and inserting “; and”; and

(2) by striking subsections (c) and (d).

SEC. 3510. ACCEPTANCE OF GUARANTEES IN CONJUNC-
TION WITH PARTIAL DONATIONS FOR MAJOR
PROJECTS OF THE UNITED STATES MER-
CHANT MARINE ACADEMY.

(a) GUARANTEES.—Chapter 513 of title 46, United
States Code, is amended by adding at the end the fol-
lowing:

“§ 51320. Acceptance of guarantees with gifts for
major projects

“(a) DEFINITIONS.—In this section:

“(1) MAJOR PROJECT.—The term ‘major
project’ means a project estimated to cost at least
$1,000,000 for—

“(A) the purchase or other procurement of
real or personal property; or

“(B) the construction, renovation, or re-
pair of real or personal property.

“(2) MAJOR UNITED STATES COMMERCIAL
BANK.—The term ‘major United States commercial
bank’ means a commercial bank that—
“(A) is an insured bank (as defined in section 3(h) of the Federal Deposit Insurance Act (12 U.S.C. 1813(h)));

“(B) is headquartered in the United States; and

“(C) has total net assets of an amount considered by the Maritime Administrator to qualify the bank as a major bank.

“(3) MAJOR UNITED STATES INVESTMENT MANAGEMENT FIRM.—The term ‘major United States investment management firm’ means—

“(A) any broker or dealer (as such terms are defined in section 3 of the Securities Exchange Act of 1934 (15 U.S.C. 78c));

“(B) any investment adviser or provider of investment supervisory services (as such terms are defined in section 202 of the Investment Advisers Act of 1940 (15 U.S.C. 80b–2)); or

“(C) a major United States commercial bank that—

“(i) is headquartered in the United States; and

“(ii) holds for the account of others investment assets in a total amount considered by the Maritime Administrator to
qualify the bank as a major investment
management firm.

“(4) QUALIFIED GUARANTEE.—The term
‘qualified guarantee’, with respect to a major
project, means a guarantee that—

“(A) is made by 1 or more persons in con-
nection with a donation for the project of a
total amount in cash or securities that the Mar-
itime Administrator determines is sufficient to
defray a substantial portion of the total cost of
the project;

“(B) is made to facilitate or expedite the
completion of the project in reasonable anticipa-
tion that other donors will contribute sufficient
funds or other resources in amounts sufficient
to pay for completion of the project;

“(C) is set forth as a written agreement
providing that the donor will furnish in cash or
securities, in addition to the donor’s other gift
or gifts for the project, any additional amount
that may become necessary for paying the cost
of completing the project by reason of a failure
to obtain from other donors or sources funds or
other resources in amounts sufficient to pay the
cost of completing the project; and
“(D) is accompanied by—

“(i) an irrevocable and unconditional standby letter of credit for the benefit of the United States Merchant Marine Academy that is in the amount of the guarantee and is issued by a major United States commercial bank; or

“(ii) a qualified account control agreement.

“(5) QUALIFIED ACCOUNT CONTROL AGREEMENT.—The term ‘qualified account control agreement’, with respect to a guarantee of a donor, means an agreement among the donor, the Maritime Administrator, and a major United States investment management firm that—

“(A) ensures the availability of sufficient funds or other financial resources to pay the amount guaranteed during the period of the guarantee;

“(B) provides for the perfection of a security interest in the assets of the account for the United States for the benefit of the United States Merchant Marine Academy with the highest priority available for liens and security interests under applicable law;
“(C) requires the donor to maintain in an account with the investment management firm assets having a total value that is not less than 130 percent of the amount guaranteed; and “(D) requires the investment management firm, whenever the value of the account is less than the value required to be maintained under subparagraph (C), to liquidate any noncash assets in the account and reinvest the proceeds in Treasury bills issued under section 3104 of title 31.

“(b) Acceptance Authority.—Subject to subsection (d), the Maritime Administrator may accept a qualified guarantee from a donor or donors for the completion of a major project for the benefit of the United States Merchant Marine Academy.

“(c) Obligation Authority.—The amount of a qualified guarantee accepted under this section shall be considered as contract authority to provide obligation authority for purposes of Federal fiscal and contractual requirements. Funds available for a project for which such a guarantee has been accepted may be obligated and expended for the project without regard to whether the total amount of funds and other resources available for the
project (not taking into account the amount of the guar-
antee) is sufficient to pay for completion of the project.

“(d) NOTICE.—The Maritime Administrator may not
accept a qualified guarantee under this section for the
completion of a major project until 30 days after the date
on which a report of the facts concerning the proposed
guarantee is submitted to Congress.

“(e) PROHIBITION ON COMMINGLING FUNDS.—The
Maritime Administrator may not enter into any contract
or other transaction involving the use of a qualified guar-
antee and appropriated funds in the same contract or
transaction.”.

(b) CLERICAL AMENDMENT.—The table of sections
for chapter 513 of title 46, United States Code, is amend-
ed by adding at the end the following:

“51320. Acceptance of guarantees with gifts for major projects.”.

SEC. 3511. AUTHORITY TO PAY CONVEYANCE OR TRANSFER
EXPENSES IN CONNECTION WITH ACCEPT-
ANCE OF A GIFT TO THE UNITED STATES
MERCHANT MARINE ACADEMY.

Section 51315 of title 46, United States Code, is
amended by inserting at the end the following:

“(f) PAYMENT OF EXPENSES.—The Maritime Ad-
ministrator may pay all necessary expenses in connection
with the conveyance or transfer of a gift, devise, or be-
quest accepted under this section.”.
SEC. 3512. AUTHORITY TO PARTICIPATE IN FEDERAL, STATE OR OTHER RESEARCH GRANTS.

(a) Research Grants.—Chapter 513 of title 46, United States Code, as amended by sections 3510 of this title, is further amended by adding at the end the following:

“§ 51321. Grants for scientific and educational research

“(a) Defined Term.—In this section, the term ‘qualifying research grant’ is a grant that—

“(1) is awarded on a competitive basis by the Federal Government (except for the Department of Transportation), a State, a corporation, a fund, a foundation, an educational institution, or a similar entity that is organized and operated primarily for scientific or educational purposes; and

“(2) is to be used to carry out a research project with a scientific or educational purpose.

“(b) Acceptance of Qualifying Research Grants.—The United States Merchant Marine Academy may compete for and accept qualifying research grants if the work under the grant is to be carried out by a professor or instructor of the United States Merchant Marine Academy.

“(c) Administration of Grant Funds.—
“(1) ESTABLISHMENT OF ACCOUNT.—The Maritime Administrator shall establish a separate account for administering funds received from research grants under this section.

“(2) USE OF GRANT FUNDS.—The Superintendent shall use grant funds deposited into the account established pursuant to paragraph (1) in accordance with applicable regulations and the terms and conditions of the respective grants.

“(d) RELATED EXPENSES.—Subject to such limitations as may be provided in appropriations Acts, appropriations available for the United States Merchant Marine Academy may be used to pay expenses incurred by the Academy in applying for, and otherwise pursuing, a qualifying research grant.”.

(b) CLERICAL AMENDMENT.—The table of sections for chapter 513 of title 46, United States Code, as amended by section 3510(b), is further amended by adding at the end the following:

“51321. Grants for scientific and educational research.”.

SEC. 3513. PROVISION OF SATELLITE COMMUNICATION DEVICES DURING SEA YEAR PROGRAM.

Section 3514 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 46 U.S.C. 51318 note) is amended—
(1) by striking “Not later than” and inserting the following:

“(a) VESSEL OPERATOR REQUIREMENTS.—Not later than”; and

(2) by adding at the end the following new subsection:

“(b) PROVISION OF SATELLITE PHONE.—

“(1) IN GENERAL.—The Maritime Administrator shall ensure that each cadet from the United States Merchant Marine Academy who is participating in the Sea Year program is provided a functional satellite communication device. A cadet may not be denied from using the device whenever the student determines that use of the device is necessary to prevent or report sexual harassment or sexual assault.

“(2) CHECK-IN.—Not less often than once each week during a cadet’s participation in the Sea Year program, the cadet shall check-in with designated personnel at the Academy via the satellite communication device provided under paragraph (1). A text message sent via the satellite device shall meet the requirement for a weekly check-in for purposes of this paragraph.”.
SEC. 3514. ACTIONS TO ADDRESS SEXUAL HARASSMENT, DATING VIOLENCE, DOMESTIC VIOLENCE, SEXUAL ASSAULT, AND STALKING AT THE UNITED STATES MERCHANT MARINE ACADEMY.

(a) Expansion of Required Policy.—Section 51318(a) of title 46, United States Code, is amended—

(1) in paragraph (1), by striking “harassment and sexual assault” and inserting “harassment, dating violence, domestic violence, sexual assault, and stalking”; 

(2) in paragraph (2)—

(A) in the matter preceding subparagraph (A), by striking “harassment and sexual assault” and inserting “harassment, dating violence, domestic violence, sexual assault, and stalking”; 

(B) in subparagraph (A), by inserting “domestic violence, dating violence, stalking,” after “acquaintance rape,”; 

(C) in subparagraph (B)—

(i) in the matter preceding clause (i), by striking “harassment or sexual assault,” and inserting “harassment, dating violence, domestic violence, sexual assault, or stalking,”;
(ii) in clause (i), by striking “harassment or sexual assault” and inserting “harassment, dating violence, domestic violence, sexual assault, or stalking”; and

(iii) in clause (iii), by striking “criminal sexual assault” and inserting “a criminal sexual offense”;

(D) in subparagraph (D), by striking “harassment or sexual assault” and inserting “harassment, dating violence, domestic violence, sexual assault, or stalking”;

(E) in subparagraph (E)—

(i) in clause (i), by striking “harassment or sexual assault” and inserting “harassment, dating violence, domestic violence, sexual assault, or stalking”;

(ii) in clause (ii), by striking “sexual assault” and inserting “sexual harassment, dating violence, domestic violence, sexual assault, or stalking”; and

(iii) in clause (iii), by striking “harassment and sexual assault” and inserting “harassment, dating violence, domestic violence, sexual assault, or stalking”; and
(F) in subparagraph (F), by striking “harassment or sexual assault” and inserting “harassment, dating violence, domestic violence, sexual assault, or stalking”;

(3) by redesignating paragraphs (3) and (4) as paragraphs (4) and (5), respectively;

(4) by inserting after paragraph (2) the following new paragraph:

“(3) MINIMUM TRAINING REQUIREMENTS FOR CERTAIN INDIVIDUALS REGARDING SEXUAL HARASSMENT, DATING VIOLENCE, DOMESTIC VIOLENCE, SEXUAL ASSAULT, AND STALKING.—

“(A) REQUIREMENT.—The Maritime Administrator shall direct the Superintendent of the United States Merchant Marine Academy to develop a mandatory training program at the Academy for each individual who is involved in implementing the Academy’s student disciplinary grievance procedures, including each individual who is responsible for—

“(i) resolving complaints of reported sexual harassment, dating violence, domestic violence, sexual assault, and stalking;
“(ii) resolving complaints of reported violations of the sexual misconduct policy of the Academy; or

“(iii) conducting an interview with a victim of sexual harassment, dating violence, domestic violence, sexual assault, or stalking.

“(B) Consultation.—The Superintendent shall develop the training program described in subparagraph (A) in consultation with national, State, or local sexual assault, dating violence, domestic violence, or stalking victim advocacy, victim services, or prevention organizations.

“(C) Elements.—The training required by subparagraph (A) shall include the following:

“(i) Information on working with and interviewing persons subjected to sexual harassment, dating violence, domestic violence, sexual assault, or stalking.

“(ii) Information on particular types of conduct that would constitute sexual harassment, dating violence, domestic violence, sexual assault, or stalking, regardless of gender, including same-sex sexual
harassment, dating violence, domestic violence, sexual assault, or stalking.

“(iii) Information on consent and the effect that drugs or alcohol may have on an individual’s ability to consent.

“(iv) Information on the effects of trauma, including the neurobiology of trauma.

“(v) Training regarding the use of trauma-informed interview techniques, which means asking questions of an individual who has been a victim of sexual harassment, dating violence, domestic violence, sexual assault, or stalking in a manner that is focused on the experience of the victim, does not judge or blame the victim, and is informed by evidence-based research on the neurobiology of trauma.

“(vi) Training on cultural awareness regarding how dating violence, domestic violence, sexual assault, or stalking may impact midshipmen differently depending on their cultural background.
“(vii) Information on sexual assault dynamics, sexual assault perpetrator behavior, and barriers to reporting.

“(D) IMPLEMENTATION.—

“(i) DEVELOPMENT AND APPROVAL SCHEDULE.—The training program required by subparagraph (A) shall be developed not later than 90 days after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2018.

“(ii) COMPLETION OF TRAINING.— Each individual who is required to complete the training described in subparagraph (A) shall complete such training not later than—

“(I) 270 days after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2018; or

“(II) 180 days after starting a position with responsibilities that include the activities described in clause (i), (ii), or (iii) of subparagraph (A).”; and
(5) by inserting after paragraph (5), as so re-designated, the following new paragraph:

“(6) CONSISTENCY WITH THE HIGHER EDUCATION ACT OF 1965.—The Secretary shall ensure that the policy developed under this subsection meets the requirements set out in section 485(f)(8) of the Higher Education Act of 1965 (20 U.S.C. 1092(f)(8)).”.

(b) MINIMUM PROCEDURES FOR HANDLING REPORTS OF SEXUAL HARASSMENT, DATING VIOLENCE, DOMESTIC VIOLENCE, SEXUAL ASSAULT, OR STALKING.—Subsection (b) of section 51318 of title 46, United States Code, is amended to read as follows:

“(b) DEVELOPMENT PROGRAM.—

“(1) IN GENERAL.—The Maritime Administrator shall ensure that the development program of the Academy includes a section that—

“(A) describes the relationship between honor, respect, and character development and the prevention of sexual harassment, dating violence, domestic violence, sexual assault, and stalking at the Academy;

“(B) includes a brief history of the problem of sexual harassment, dating violence, domestic violence, sexual assault, and stalking in
the merchant marine, in the Armed Forces, and
at the Academy; and

“(C) includes information relating to re-
porting sexual harassment, dating violence, do-
meric violence, sexual assault, and stalking,
its’ rights, and dismissal for offenders.

“(2) MINIMUM REQUIREMENTS TO COMBAT RE-
taliation.—

“(A) Requirement for plan.—Not later
than 90 days after the date of the enactment of
the National Defense Authorization Act for Fis-
cal Year 2018, the Maritime Administrator
shall direct the Superintendent of the United
States Merchant Marine Academy to implement
and maintain a plan to combat retaliation
against cadets at the Academy who report sex-
ual harassment, dating violence, domestic vio-
ence, sexual assault, or stalking.

“(B) Violation of code of conduct.—
The Superintendent shall consider an act of re-
taliation against a cadet at the Academy who
reports sexual harassment, dating violence, do-
meric violence, sexual assault, or stalking as a
Class I violation of the Midshipman Regulations
of the Academy or equivalent code of conduct.
“(C) Retaliation definition.—The Superintendent shall work with the sexual assault prevention and response staff of the Academy to define ‘retaliation’ for purposes of this subsection.

“(3) Minimum resource requirements.—

“(A) In general.—The Maritime Administrator shall ensure the staff at the Academy are provided adequate and appropriate sexual harassment, dating violence, domestic violence, sexual assault, and stalking prevention and response training materials and resources. Such resources shall include staff as follows:

“(i) Sexual assault response coordinator.

“(ii) Prevention educator.

“(iii) Civil rights officer.

“(iv) Staff member to oversee Sea Year.

“(B) Communication.—The Director of the Office of Civil Rights of the Maritime Administration shall create and maintain a direct line of communication to the sexual assault response staff of the Academy that is outside of the chain of command of the Academy.
“(4) **MINIMUM TRAINING REQUIREMENTS.**—

The Superintendent shall ensure that all cadets receive training on the sexual harassment, dating violence, domestic violence, sexual assault, and stalking prevention and response sections of the development program of the Academy, as described in paragraph (1), as follows:

“(A) An initial training session, which shall occur not later than 7 days after a cadet’s initial arrival at the Academy.

“(B) Additional training sessions, which shall occur biannually following the cadet’s initial training session until the cadet graduates or leaves the Academy.”.

(c) **AGGREGATE REPORTING AND DEFINITIONS.**—

Section 51318 of title 46, United States Code, is amended by adding at the end the following new subsections:

“(e) **DATA FOR AGGREGATE REPORTING.**—

“(1) **IN GENERAL.**—No requirement related to confidentiality in this section or section 51319 of this title may be construed to prevent a sexual assault response coordinator from providing information for any report required by law regarding sexual harassment, dating violence, domestic violence, sexual assault, or stalking.
“(2) Identity Protection.—Any information provided for a report referred to in paragraph (1) shall be provided in a manner that protects the identity of the victim or witness.

“(f) Definitions.—In this section and section 51319 of this title:

“(1) Dating Violence; Domestic Violence; Stalking.—The terms ‘dating violence’, ‘domestic violence’, and ‘stalking’ have the meanings given those terms is section 40002(a) of the Violence Against Women Act of 1994 (42 U.S.C. 13925(a)).

“(2) Sexual Assault.—The term ‘sexual assault’ means an offense classified as a forcible or nonforcible sex offense under the uniform crime reporting system of the Federal Bureau of Investigation.”.

(d) Clerical Amendments.—

(1) Section Heading.—The heading of section 51318 of title 46, United States Code, is amended to read as follows:

“§ 51318. Policy on sexual harassment, dating violence, domestic violence, sexual assault, and stalking”.

(2) Table of Sections.—The table of sections for chapter 513 of title 46, United States Code, is
amended by striking the item relating to section 51318 and inserting the following new item:

“51318. Policy on sexual harassment, dating violence, domestic violence, sexual assault, and stalking.”

SEC. 3515. SEXUAL ASSAULT PREVENTION AND RESPONSE STAFF FOR THE UNITED STATES MERCHANT MARINE ACADEMY.

(a) IN GENERAL.—Section 51319 of title 46, United States Code, is amended—

(1) by redesignating subsection (b) as subsection (c); and

(2) by striking subsection (a) and inserting the following new subsections:

“(a) SEXUAL ASSAULT RESPONSE COORDINATORS.—

“(1) REQUIREMENT FOR COORDINATORS.—The United States Merchant Marine Academy shall employ or contract with at least 1 full-time sexual assault response coordinator who shall reside at or near the Academy. The Secretary of Transportation may assign additional full-time or part-time sexual assault response coordinators at the Academy as necessary.

“(2) SELECTION CRITERIA.—Each sexual assault response coordinator shall be selected based on—
“(A) experience and a demonstrated ability to effectively provide victim services related to sexual harassment, dating violence, domestic violence, sexual assault, and stalking; and

“(B) protection of the individual under applicable law to provide privileged communication.

“(3) CONFIDENTIALITY.—A sexual assault response coordinator shall, to the extent authorized under applicable law, provide confidential services to a cadet at the Academy who reports being a victim of, or witness to, sexual harassment, dating violence, domestic violence, sexual assault, or stalking.

“(4) TRAINING.—

“(A) VERIFICATION.—Not later than 90 days after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2018, the Maritime Administrator, in consultation with the Director of the Maritime Administration Office of Civil Rights, shall develop a process to verify that each sexual assault response coordinator has completed proper training.
(B) TRAINING REQUIREMENTS.—The training referred to in subparagraph (A) shall include training in—

(i) working with victims of sexual harassment, dating violence, domestic violence, sexual assault, and stalking;

(ii) the policies, procedures, and resources of the Academy related to responding to sexual harassment, dating violence, domestic violence, sexual assault, and stalking; and

(iii) national, State, and local victim services and resources available to victims of sexual harassment, dating violence, domestic violence, sexual assault, and stalking.

(C) COMPLETION OF TRAINING.—A sexual assault response coordinator shall complete the training referred to in subparagraphs (A) and (B) not later than—

(i) 270 days after enactment of the National Defense Authorization Act for Fiscal Year 2018; or

(ii) 180 days after starting in the role of sexual assault response coordinator.
“(5) DUTIES.—A sexual assault response coordinator shall—

“(A) confidentially receive a report from a victim of sexual harassment, dating violence, domestic violence, sexual assault, or stalking;

“(B) inform the victim of—

“(i) the victim’s rights under applicable law;

“(ii) options for reporting an incident of sexual harassment, dating violence, domestic violence, sexual assault, or stalking to the Academy and law enforcement;

“(iii) how to access available services, including emergency medical care, medical forensic or evidentiary examinations, legal services, services provided by rape crisis centers and other victim service providers, services provided by the volunteer sexual assault victim advocates at the Academy, and crisis intervention counseling and ongoing counseling;

“(iv) such coordinator’s ability to assist in arranging access to such services, with the consent of the victim;
“(v) available accommodations, such as allowing the victim to change living arrangements and obtain accessibility services;

“(vi) such coordinator’s ability to assist in arranging such accommodations, with the consent of the victim;

“(vii) the victim’s rights and the Academy’s responsibilities regarding orders of protection, no contact orders, restraining orders, or similar lawful orders issued by the Academy or a criminal, civil, or tribal court; and

“(viii) privacy limitations under applicable law;

“(C) represent the interests of any cadet at the Academy who reports being a victim of sexual harassment, dating violence, domestic violence, sexual assault, or stalking, even if such interests are in conflict with the interests of the Academy;

“(D) advise the victim of, and provide written materials regarding, the information described in subparagraph (B);
“(E) liaise with appropriate staff at the Academy, with the victim’s consent, to arrange reasonable accommodations through the Academy to allow the victim to change living arrangements, obtain accessibility services, or access other accommodations;

“(F) maintain the privacy and confidentiality of the victim, and shall not notify the Academy or any other authority of the identity of the victim or the alleged circumstances surrounding the reported incident unless—

“(i) otherwise required by applicable law;

“(ii) requested to do so by the victim who has been fully and accurately informed about what procedures shall occur if the information is shared; or

“(iii) notwithstanding clause (i) or clause (ii), there is risk of imminent harm to other individuals;

“(G) assist the victim in contacting and reporting an incident of sexual harassment, dating violence, domestic violence, sexual assault, or stalking to the Academy or law enforcement, if requested to do so by the victim who has been
fully and accurately informed about what procedures shall occur if information is shared; and

“(H) submit to the Director of the Maritime Administration Office of Civil Rights an annual report summarizing how the resources supplied to the coordinator were used during the prior year, including the number of victims assisted by the coordinator.

“(b) OVERSIGHT.—

“(1) IN GENERAL.—

“(A) REPORTING.—Each sexual assault response coordinator shall—

“(i) report directly to the Superintendent; and

“(ii) have concurrent reporting responsibility to the Executive Director of the Maritime Administration on matters related to the Maritime Administration and the Department of Transportation and upon belief that the Academy leadership is acting inappropriately regarding sexual assault prevention and response matters.

“(B) SUPPORT.—The Maritime Administration Office of Civil Rights shall provide support to the sexual assault response coordinator
at the Academy on all sexual harassment, dating violence, domestic violence, sexual assault, or stalking prevention matters.

“(2) Prohibition on investigation by the Academy.—Any request by a victim for an accommodation, as described in subsection (a)(5)(E), made by a sexual assault response coordinator shall not trigger an investigation by the Academy, even if such coordinator deals only with matters relating to sexual harassment, dating violence, domestic violence, sexual assault, or stalking.

“(3) Prohibition on retaliation.—A sexual assault response coordinator, victim advocate, or companion may not be disciplined, penalized, or otherwise retaliated against by the Academy for representing the interests of the victim, even if such interests are in conflict with the interests of the Academy.”.

(b) Access of Academy Cadets to DOD SAFE or Equivalent Helpline.—

(1) In general.—The Secretary of Transportation shall arrange for cadets at the United States Merchant Marine Academy to have access to, and use of, the Department of Defense SAFE Helpline or an equivalent helpline to report incidents of sex-
ual harassment, dating violence, domestic violence, sexual assault, or stalking.

(2) Training.—The training provided to personnel of the helpline to which cadets at the Academy are given access shall include training on the resources available to cadets at the Academy in connection with sexual assault, sexual harassment, domestic violence, dating violence, and stalking.

(3) Definitions.—In this section, the terms “dating violence”, “domestic violence”, “sexual assault”, and “stalking” have the meanings given those terms in section 51318 of title 46, United States Code.

(e) Repeal of Duplicate Requirement.—Subsection (c) of section 51319 of title 46, United States Code, as redesignated by subsection (a)(1), is amended—

(1) by striking paragraph (5);

(2) by redesignating paragraph (6) as paragraph (5); and

(3) in paragraph (5), as so redesignated, by striking “(3), (4), and (5)” and inserting “(3) and (4)”.

1638
SEC. 3516. PROTECTION OF CADETS AT THE UNITED STATES MERCHANT MARINE ACADEMY FROM SEXUAL ASSAULT ONBOARD COMMERCIAL VESSELS.

(a) IN GENERAL.—Chapter 513 of title 46, United States Code, as amended by section 3512 of this title, is further amended by adding at the end the following new section:

"§ 51322. Protection of cadets from sexual assault onboard vessels

"(a) RIDING GANGS.—

"(1) CERTIFICATION OF COMPLIANCE.—The Maritime Administrator shall require the owner or operator of any commercial vessel that is carrying a cadet from the United States Merchant Marine Academy to certify compliance of the vessel with the International Convention for Safety of Life at Sea, 1974 (32 UST 47) and section 8106 of this title.

"(2) INFORMATION FOR CADETS.—The Maritime Administrator shall ensure that the Academy informs cadets preparing for Sea Year of the obligations that vessel owners and operators have to provide for the security of individuals aboard a vessel under United States law, including chapter 81 and section 70103(c) of this title.

"(b) CHECKS OF COMMERCIAL VESSELS.—
“(1) REQUIREMENT.—Not less frequently than biennially, staff of the Academy or staff of the Maritime Administration shall conduct both random and targeted unannounced checks of not less than 10 percent of the commercial vessels that host a cadet from the Academy.

“(2) REMOVAL OF STUDENTS.—If staff of the Academy or staff of the Maritime Administration determine that a commercial vessel is in violation of the sexual assault policy developed by the Academy through a check conducted under paragraph (1), the staff may—

“(A) remove any cadet of the Academy from the vessel; and

“(B) report the violation to the owner or operator of the vessel.

“(c) MAINTENANCE OF SEXUAL ASSAULT TRAINING RECORDS.—The Maritime Administrator shall require the owner or operator of a commercial vessel, or the seafarer union for a commercial vessel, to maintain records of sexual assault training for the crew and passengers of any vessel hosting a cadet from the Academy.

“(d) SEA YEAR SURVEY.—

“(1) REQUIREMENT.—The Maritime Administrator shall require each cadet from the Academy,
upon completion of the cadet’s Sea Year, to complete
a survey regarding the environment and conditions
during the Sea Year of the vessel to which the cadet
was assigned.

“(2) **A VAILABILITY.**—The Maritime Adminis-
trator shall make available to the public for each
year—

“(A) the questions used in the survey re-
quired by paragraph (1); and

“(B) the aggregated data received from
such surveys.”.

(b) **CLERICAL AMENDMENT.**—The table of sections
for chapter 513 of title 46, United States Code, as amend-
ed by section 3512 of this title, is further amended by
adding at the end the following new item:

“51322. Protection of cadets from sexual assault onboard vessels.”.

**SEC. 3517. TRAINING REQUIREMENT FOR SEXUAL ASSAULT INVESTIGATORS.**

Each employee of the Office of Inspector General of
the Department of Transportation who conducts investiga-
tions and who is assigned to the Regional Investigations
Office in New York, New York, shall—

(1) participate in specialized training in con-
ducting sexual assault investigations; and

(2) attend at least 1 Federal Law Enforcement
Training Center (FLETC) sexual assault investiga-
tion course, or equivalent sexual assault investiga-
tion training course, as determined by the Inspector
General, each year.

DIVISION D—FUNDING TABLES

SEC. 4001. AUTHORIZATION OF AMOUNTS IN FUNDING TA-
BLES.

(a) IN GENERAL.—Whenever a funding table in this
division specifies a dollar amount authorized for a project,
program, or activity, the obligation and expenditure of the
specified dollar amount for the project, program, or activ-
ity is hereby authorized, subject to the availability of ap-
propriations.

(b) MERIT-BASED DECISIONS.—A decision to com-
mit, obligate, or expend funds with or to a specific entity
on the basis of a dollar amount authorized pursuant to
subsection (a) shall—

(1) be based on merit-based selection proce-
dures in accordance with the requirements of sec-
tions 2304(k) and 2374 of title 10, United States
Code, or on competitive procedures; and

(2) comply with other applicable provisions of
law.

(e) RELATIONSHIP TO TRANSFER AND PROGRAM-
MING AUTHORITY.—An amount specified in the funding
tables in this division may be transferred or repro-
grammed under a transfer or reprogramming authority provided by another provision of this Act or by other law. The transfer or reprogramming of an amount specified in such funding tables shall not count against a ceiling on such transfers or reprogrammings under section 1001 or section 1512 of this Act or any other provision of law, unless such transfer or reprogramming would move funds between appropriation accounts.

(d) Applicability to Classified Annex.—This section applies to any classified annex that accompanies this Act.

(e) Oral and Written Communications.—No oral or written communication concerning any amount specified in the funding tables in this division shall supersede the requirements of this section.

**TITLE XLI—PROCUREMENT**

Sec. 4101. Procurement.

Sec. 4102. Procurement for overseas contingency operations.

**SEC. 4101. PROCUREMENT.**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AIRCRAFT PROCUREMENT, ARMY FIXED WING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>UTILITY F/W AIRCRAFT</td>
<td>75,115</td>
<td>75,115</td>
</tr>
<tr>
<td>004</td>
<td>MQ-1 UAV</td>
<td>30,206</td>
<td>90,206</td>
</tr>
<tr>
<td>UFR: HI Improved Gray Eagle Air Vehicles</td>
<td></td>
<td>(60,000)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ROTARY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>005</td>
<td>HELICOPTER, LIGHT UTILITY (LUH)</td>
<td>108,383</td>
<td>108,383</td>
</tr>
<tr>
<td>006</td>
<td>AH-64 APACHE BLOCK IIIA REMAN</td>
<td>725,976</td>
<td>764,976</td>
</tr>
<tr>
<td>UFR: Processes remanufactured AH64Es</td>
<td></td>
<td>(39,000)</td>
<td></td>
</tr>
<tr>
<td>007</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>170,910</td>
<td>170,910</td>
</tr>
<tr>
<td>008</td>
<td>AH-64 APACHE BLOCK IIIB NEW BUILD</td>
<td>374,100</td>
<td>647,800</td>
</tr>
<tr>
<td>UFR: Processes AH-64E</td>
<td></td>
<td>(273,700)</td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>71,900</td>
<td>71,900</td>
</tr>
<tr>
<td>010</td>
<td>UH-60 BLACKHAWK M MODEL (MYP)</td>
<td>938,308</td>
<td>1,046,308</td>
</tr>
<tr>
<td>Unfunded requirement—additional 5 for ARNG</td>
<td></td>
<td>[108,000]</td>
<td></td>
</tr>
<tr>
<td>011</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>86,295</td>
<td>86,295</td>
</tr>
<tr>
<td>012</td>
<td>UH-60 BLACKHAWK A AND E MODELS</td>
<td>76,516</td>
<td>93,216</td>
</tr>
<tr>
<td>Unfunded requirement—UH-60Vs</td>
<td></td>
<td>[16,700]</td>
<td></td>
</tr>
<tr>
<td>013</td>
<td>CH-47 HELICOPTER</td>
<td>202,576</td>
<td>557,076</td>
</tr>
</tbody>
</table>
## MODIFICATION OF AIRCRAFT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>015</td>
<td>MQ-1 PAYLOAD (MIP)</td>
<td>5,910</td>
<td>21,910</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures of Common Sensor Payloads</td>
<td></td>
<td></td>
</tr>
<tr>
<td>016</td>
<td>UNIVERSAL GROUND CONTROL EQUIPMENT (UGCE)</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>017</td>
<td>GRAY EAGLE MODS</td>
<td>71,293</td>
<td>71,293</td>
</tr>
<tr>
<td>018</td>
<td>MULTI SENSOR ABN EXON (MIP)</td>
<td>68,828</td>
<td>98,287</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures of Electronic Intelligence (ELINT) upgrades</td>
<td></td>
<td></td>
</tr>
<tr>
<td>019</td>
<td>AH-64 MODS</td>
<td>398,141</td>
<td>382,941</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>CH-47 CARGo HELICOPTER MODS (MYP)</td>
<td>20,166</td>
<td>31,166</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>021</td>
<td>GBOS SEMA MODS (MIP)</td>
<td>5,911</td>
<td>5,911</td>
</tr>
<tr>
<td>022</td>
<td>ARL SEMA MODS (MIP)</td>
<td>13,630</td>
<td>13,630</td>
</tr>
<tr>
<td>023</td>
<td>EMARSS SEMA MODS (MIP)</td>
<td>15,279</td>
<td>15,279</td>
</tr>
<tr>
<td>024</td>
<td>UTILITY/ARV AIRPLANE MODS</td>
<td>57,717</td>
<td>57,717</td>
</tr>
<tr>
<td>025</td>
<td>UTILITY HELICOPTER MODS</td>
<td>5,990</td>
<td>40,799</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>026</td>
<td>NETWORK AND MISSION PLAN</td>
<td>142,102</td>
<td>142,102</td>
</tr>
<tr>
<td>027</td>
<td>COMM: NAV SURVEILLANCE</td>
<td>166,050</td>
<td>207,630</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>028</td>
<td>QM-7 UAV MODS</td>
<td>83,160</td>
<td>94,160</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Shadow V2 BLK III systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>029</td>
<td>GEM MODS</td>
<td>26,109</td>
<td>26,429</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures OSEKIT systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>UAS MODS</td>
<td>26,109</td>
<td>26,429</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Shadow V2 BLK III systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>031</td>
<td>GROUND SUPPORT AVIONICS</td>
<td>70,913</td>
<td>70,913</td>
</tr>
<tr>
<td>032</td>
<td>SURVIVABILITY CM</td>
<td>5,884</td>
<td>5,884</td>
</tr>
<tr>
<td>033</td>
<td>CMBS</td>
<td>26,835</td>
<td>53,825</td>
</tr>
<tr>
<td></td>
<td>UFR: Limited Interim Missile Warning System (LMWS) Quick Reaction Un-</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>capability</td>
<td></td>
<td></td>
</tr>
<tr>
<td>034</td>
<td>COMMON INFRARED COUNTERMEASURES (CICM)</td>
<td>6,317</td>
<td>5,317</td>
</tr>
<tr>
<td></td>
<td>UFR: CHRM E-Kos</td>
<td></td>
<td></td>
</tr>
<tr>
<td>035</td>
<td>GROUND SUPPORT EQUIPMENT</td>
<td>7,038</td>
<td>7,038</td>
</tr>
<tr>
<td>036</td>
<td>COMMON GROUND EQUIPMENT</td>
<td>47,404</td>
<td>56,344</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—except the Army</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—Non destructive test equip</td>
<td></td>
<td></td>
</tr>
<tr>
<td>037</td>
<td>ACREW INTEGRATED SYSTEMS</td>
<td>47,066</td>
<td>47,066</td>
</tr>
<tr>
<td>038</td>
<td>AIR TRAFFIC CONTROL</td>
<td>83,790</td>
<td>84,905</td>
</tr>
<tr>
<td></td>
<td>UFR: Airspace Information System shelter and Alternate Workstation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>039</td>
<td>INDUSTRIAL FACILITIES</td>
<td>1,397</td>
<td>1,397</td>
</tr>
<tr>
<td>040</td>
<td>LAUNCHER, 2.75 ROCKET</td>
<td>1,921</td>
<td>1,921</td>
</tr>
<tr>
<td></td>
<td>TOTAL AIRCRAFT PROCUREMENT, ARMY</td>
<td>4,149,984</td>
<td>5,560,783</td>
</tr>
</tbody>
</table>

## MILITARY PROCUREMENT, ARMY

<table>
<thead>
<tr>
<th>Time Slot</th>
<th>Item</th>
<th>FY Request</th>
<th>FY Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>LOWE TIER AIR AND MISSILE DEFENSE (MID)</td>
<td>140,826</td>
<td>140,826</td>
</tr>
<tr>
<td>002</td>
<td>MSE MISSILE</td>
<td>1,106,040</td>
<td>1,106,040</td>
</tr>
<tr>
<td>003</td>
<td>INDIRECT FIRE PROTECTION CAPABILITY INC 2-1</td>
<td>57,742</td>
<td>57,742</td>
</tr>
<tr>
<td>005</td>
<td>HELIFIRE 8TH SUMMARY</td>
<td>94,790</td>
<td>104,790</td>
</tr>
<tr>
<td>006</td>
<td>JOINT AIR-TO-GROUND BURST (JAGB)</td>
<td>178,422</td>
<td>160,126</td>
</tr>
<tr>
<td></td>
<td>Excess due to delays</td>
<td>-18,306</td>
<td></td>
</tr>
</tbody>
</table>

## OTHER SUPPORT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>008</td>
<td>JAVELIN LAW-S-3E SYSTEM SUMMARY</td>
<td>110,123</td>
<td>257,523</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures additional Javelins</td>
<td></td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>TOW 2 SYSTEM SUMMARY</td>
<td>85,851</td>
<td>85,851</td>
</tr>
<tr>
<td>010</td>
<td>ADVANCE PROCUREMENT (CP)</td>
<td>19,949</td>
<td>19,949</td>
</tr>
<tr>
<td>011</td>
<td>GEM MODS</td>
<td>585,942</td>
<td>608,942</td>
</tr>
<tr>
<td></td>
<td>Program reduction—unit cost savings</td>
<td>-2,800</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Tooling and practice rounds</td>
<td></td>
<td></td>
</tr>
<tr>
<td>012</td>
<td>MILES REDUCED RANGE PRACTICE ROCKETS (MPR)</td>
<td>28,321</td>
<td>34,631</td>
</tr>
<tr>
<td></td>
<td>UFR: Fuels Reduced Range Practice Rockets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>013</td>
<td>HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HMARS)</td>
<td>435,728</td>
<td>435,728</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—MIP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>014</td>
<td>LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)</td>
<td>46,600</td>
<td>46,600</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## MODIFICATIONS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>015</td>
<td>PATRIOT MODS</td>
<td>496,073</td>
<td>496,073</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures additional ELES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>016</td>
<td>ATACMS MODS</td>
<td>186,040</td>
<td>186,040</td>
</tr>
<tr>
<td>017</td>
<td>GEM MODS</td>
<td>511</td>
<td>511</td>
</tr>
</tbody>
</table>
**SEC. 4101. PROCUREMENT (In Thousands of Dollars)**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>018</td>
<td>STINGER MODS</td>
<td>63,090</td>
<td>91,490</td>
</tr>
<tr>
<td></td>
<td>UFR: Maximizes Stinger</td>
<td></td>
<td>[28,800]</td>
</tr>
<tr>
<td>019</td>
<td>AVENGER MODS</td>
<td>62,931</td>
<td>62,931</td>
</tr>
<tr>
<td>020</td>
<td>ITAS/TOW MODS</td>
<td>5,500</td>
<td>5,500</td>
</tr>
<tr>
<td>021</td>
<td>MILLS MODS</td>
<td>138,235</td>
<td>187,815</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M27HAI MILLS launchers</td>
<td></td>
<td>[48,800]</td>
</tr>
<tr>
<td>022</td>
<td>HMMWS MODIFICATIONS</td>
<td>9,566</td>
<td>9,566</td>
</tr>
<tr>
<td>023</td>
<td>SPARES AND REPAIR PARTS</td>
<td>18,915</td>
<td>18,915</td>
</tr>
<tr>
<td>024</td>
<td>AIR DEFENSE TOWS</td>
<td>5,728</td>
<td>5,728</td>
</tr>
<tr>
<td>026</td>
<td>PRODUCTION BASE SUPPORT</td>
<td>1,349</td>
<td>1,349</td>
</tr>
</tbody>
</table>

**TOTAL MISSILE PROCUREMENT, ARMY**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>BRADLEY PROGRAM</td>
<td></td>
<td>111,000</td>
</tr>
<tr>
<td></td>
<td>UFR: Procure 1 Infantry Battalion Set of M2A1</td>
<td></td>
<td>[111,000]</td>
</tr>
<tr>
<td>002</td>
<td>ARMY RED MULTI PURPOSE VEHICLE (AMPV)</td>
<td>193,715</td>
<td>193,715</td>
</tr>
<tr>
<td>004</td>
<td>STYER (MOD)</td>
<td>97,552</td>
<td>274,552</td>
</tr>
<tr>
<td></td>
<td>UFR: Second SBCT set of 30mm</td>
<td></td>
<td>[177,000]</td>
</tr>
<tr>
<td>005</td>
<td>STYER UPGRAD</td>
<td></td>
<td>348,000</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement - completes 4th; DVII SBCT</td>
<td></td>
<td>[148,000]</td>
</tr>
<tr>
<td>006</td>
<td>BRADLEY PROGRAM (MOD)</td>
<td>444,831</td>
<td>444,831</td>
</tr>
<tr>
<td>007</td>
<td>M199 FOW MODIFICATIONS</td>
<td>64,230</td>
<td>64,230</td>
</tr>
<tr>
<td>008</td>
<td>BALAHN ENHANCED MANAGEMENT (PEM)</td>
<td>646,413</td>
<td>646,413</td>
</tr>
<tr>
<td>009</td>
<td>IMPROVED RECOVERY VEHICLE (M982, HERCULES)</td>
<td>72,402</td>
<td>194,402</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures one ABCT set of HERCULES (M982)</td>
<td></td>
<td>[122,000]</td>
</tr>
<tr>
<td>010</td>
<td>ASSAULT BRIDGE (MOD)</td>
<td>5,855</td>
<td>5,855</td>
</tr>
<tr>
<td>011</td>
<td>ASSAULT BREACHER VEHICLE</td>
<td>34,221</td>
<td>64,221</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Assault Breacher Vehicles, Combat Defender Blinds, Full Width Mine Plows</td>
<td></td>
<td>(30,000)</td>
</tr>
<tr>
<td>012</td>
<td>M88 FOW MODS</td>
<td>4,826</td>
<td>4,826</td>
</tr>
<tr>
<td>013</td>
<td>AMX-ASSAULT BRIDGE</td>
<td>120,530</td>
<td>129,330</td>
</tr>
<tr>
<td>014</td>
<td>M1 ABRAMS TANK (MOD)</td>
<td>249,826</td>
<td>419,826</td>
</tr>
<tr>
<td></td>
<td>UFR: Completes the first Brigade set of Trophy (M1A1 APS) for Abrams w/ ERI OCO (1 APS Set)</td>
<td></td>
<td>[171,000]</td>
</tr>
<tr>
<td>015</td>
<td>ABRAMS UPGRADE PROGRAM</td>
<td>275,000</td>
<td>630,000</td>
</tr>
<tr>
<td></td>
<td>UFR: Recapitalization of 29 Abrams tanks to M1A2SEPv3</td>
<td></td>
<td>[375,000]</td>
</tr>
<tr>
<td>016</td>
<td>WEAPONS &amp; OTHER COMBAT VEHICLES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>017</td>
<td>M240 MEDIUM MACHINE GUN (7.62MM)</td>
<td>1,992</td>
<td>1,992</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures additional</td>
<td></td>
<td>[1,300]</td>
</tr>
<tr>
<td>019</td>
<td>M4A1 LIGHTWEIGHT ANTI-Personnel WEAPON S</td>
<td>6,520</td>
<td>26,520</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M3E1 light weight Carl Gustaf weapon systems</td>
<td></td>
<td>[20,000]</td>
</tr>
<tr>
<td>020</td>
<td>MOISTAR SYSTEMS</td>
<td>23,452</td>
<td>34,552</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M121 120mm Mortars</td>
<td></td>
<td>[15,100]</td>
</tr>
<tr>
<td>022</td>
<td>XM203 GRENADE LAUNCHER MODULE (GLM)</td>
<td>4,524</td>
<td>5,524</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M221A1 40mm Grenade Launchers</td>
<td></td>
<td>[798]</td>
</tr>
<tr>
<td>023</td>
<td>CARRIAGE</td>
<td>45,150</td>
<td>51,150</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M1A1 carriages</td>
<td></td>
<td>[8,000]</td>
</tr>
<tr>
<td>024</td>
<td>COMMON REMOTELY OPERATED WEAPONS STATION</td>
<td>750</td>
<td>10,750</td>
</tr>
<tr>
<td></td>
<td>UFR: Accelerate CROWS modifications</td>
<td></td>
<td>[10,000]</td>
</tr>
<tr>
<td>025</td>
<td>HANDGUN</td>
<td>8,326</td>
<td>8,704</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Modular Handgun Systems</td>
<td></td>
<td>[378]</td>
</tr>
<tr>
<td>026</td>
<td>MOD OF WEAPONS AND OTHER COMBAT VEH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>026</td>
<td>MK-19 GRENADE MACHINE GUN MODS</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>027</td>
<td>M77 MODS</td>
<td>3,985</td>
<td>89,772</td>
</tr>
<tr>
<td></td>
<td>UFR: Funds M777 lightweight towed howitzers</td>
<td></td>
<td>[85,787]</td>
</tr>
<tr>
<td>028</td>
<td>M4 CARRIAGE MODS</td>
<td>31,315</td>
<td>31,315</td>
</tr>
<tr>
<td>029</td>
<td>M2 50 CAL MACHINE GUN MODS</td>
<td>47,414</td>
<td>52,364</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M2A1 50cal machine</td>
<td></td>
<td>[2,350]</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M590 M30 mounts, M2A1 50cal M60, M205 tripods</td>
<td></td>
<td>[2,600]</td>
</tr>
<tr>
<td>030</td>
<td>M249 SLA W MACHINE GUN MODS</td>
<td>3,319</td>
<td>3,319</td>
</tr>
<tr>
<td>031</td>
<td>M240 MEDIUM MACHINE GUN MODS</td>
<td>4,577</td>
<td>8,119</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M192 tripods, M240B 7.62mm, M240L 7.62mm, 6mm Optics</td>
<td></td>
<td>[6,582]</td>
</tr>
<tr>
<td>032</td>
<td>SNIPER RIFLES MODIFICATIONS</td>
<td>1,468</td>
<td>1,468</td>
</tr>
<tr>
<td>033</td>
<td>M119 MODIFICATIONS</td>
<td>12,678</td>
<td>12,678</td>
</tr>
<tr>
<td>034</td>
<td>M025 MODIFICATION</td>
<td>3,998</td>
<td>3,998</td>
</tr>
<tr>
<td>035</td>
<td>MODIFICATIONS LESS THAN $5.0M (WOVC-WTCV)</td>
<td>2,139</td>
<td>2,139</td>
</tr>
<tr>
<td>036</td>
<td>SUPPORT EQUIPMENT &amp; FACILITIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M150 Rifle Combat Optic (RCO), M68 Close Combat Optics (CCO)</td>
<td></td>
<td>[2,700]</td>
</tr>
<tr>
<td>037</td>
<td>PRODUCTION BASE SUPPORT (WOVC-WTCV)</td>
<td>992</td>
<td>992</td>
</tr>
<tr>
<td>039</td>
<td>SMALL ARMS EQUIPMENT (SOLDIER ENH PROG)</td>
<td>1,573</td>
<td>1,573</td>
</tr>
<tr>
<td>042</td>
<td>UNDISBURSTED</td>
<td></td>
<td>1,200</td>
</tr>
</tbody>
</table>
### SEC. 4101. PROCUREMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>30MM, ALL TYPES</td>
<td>39,767</td>
<td>46,867</td>
</tr>
<tr>
<td>002</td>
<td>25MM, ALL TYPES</td>
<td>46,904</td>
<td>63,764</td>
</tr>
<tr>
<td>003</td>
<td>20MM, ALL TYPES</td>
<td>10,413</td>
<td>10,503</td>
</tr>
<tr>
<td>004</td>
<td>50 CAL, ALL TYPES</td>
<td>62,837</td>
<td>71,727</td>
</tr>
<tr>
<td>005</td>
<td>20MM, ALL TYPES</td>
<td>8,208</td>
<td>8,208</td>
</tr>
<tr>
<td>006</td>
<td>25MM, ALL TYPES</td>
<td>8,640</td>
<td>40,562</td>
</tr>
<tr>
<td>007</td>
<td>30MM, ALL TYPES</td>
<td>76,850</td>
<td>79,000</td>
</tr>
<tr>
<td>008</td>
<td>40MM, ALL TYPES</td>
<td>108,149</td>
<td>125,380</td>
</tr>
<tr>
<td>009</td>
<td>60MM MORTAR, ALL TYPES</td>
<td>57,359</td>
<td>59,859</td>
</tr>
<tr>
<td>010</td>
<td>120MM MORTAR, ALL TYPES</td>
<td>49,471</td>
<td>52,580</td>
</tr>
<tr>
<td>011</td>
<td>120MM MORTAR, ALL TYPES</td>
<td>93,528</td>
<td>109,720</td>
</tr>
<tr>
<td>012</td>
<td>CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES</td>
<td>131,500</td>
<td>175,800</td>
</tr>
<tr>
<td>013</td>
<td>ARTILLERY CARTRIDGES, 75MM &amp; 105MM, ALL TYPES</td>
<td>44,200</td>
<td>44,200</td>
</tr>
<tr>
<td>014</td>
<td>ARTILLERY PROJECTILE, 155MM, ALL TYPES</td>
<td>187,149</td>
<td>346,330</td>
</tr>
<tr>
<td>015</td>
<td>155MM EXTENDED RANGE M82</td>
<td>49,000</td>
<td>222,560</td>
</tr>
<tr>
<td>016</td>
<td>ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL</td>
<td>81,046</td>
<td>163,768</td>
</tr>
<tr>
<td>017</td>
<td>MINES &amp; CLEARING CHARGES, ALL TYPES</td>
<td>3,942</td>
<td>8,942</td>
</tr>
<tr>
<td>018</td>
<td>ROCKETS</td>
<td>5,000</td>
<td>66,881</td>
</tr>
<tr>
<td>019</td>
<td>ROCKETS LAUNCHED MUNITIONS, ALL TYPES</td>
<td>161,155</td>
<td>229,155</td>
</tr>
<tr>
<td>020</td>
<td>ROCKETS, HYDRA 70, ALL TYPES</td>
<td>161,155</td>
<td>229,155</td>
</tr>
<tr>
<td>021</td>
<td>C4, PRIMERS, ALL TYPES</td>
<td>7,441</td>
<td>7,441</td>
</tr>
<tr>
<td>022</td>
<td>DESTRUCTION MUNITIONS, ALL TYPES</td>
<td>19,145</td>
<td>21,600</td>
</tr>
<tr>
<td>023</td>
<td>GRENADES, ALL TYPES</td>
<td>22,759</td>
<td>48,120</td>
</tr>
<tr>
<td>024</td>
<td>SIGNALS, ALL TYPES</td>
<td>2,581</td>
<td>3,412</td>
</tr>
<tr>
<td>025</td>
<td>SIMULATORS, ALL TYPES</td>
<td>13,084</td>
<td>15,534</td>
</tr>
<tr>
<td>026</td>
<td>AMMO COMPONENTS, ALL TYPES</td>
<td>12,237</td>
<td>12,237</td>
</tr>
<tr>
<td>027</td>
<td>NON-LETHAL AMMUNITION, ALL TYPES</td>
<td>1,500</td>
<td>1,500</td>
</tr>
<tr>
<td>028</td>
<td>IEDS LESS THAN 85 MILLION (AMMO)</td>
<td>10,730</td>
<td>14,395</td>
</tr>
<tr>
<td>029</td>
<td>AMMUNITION PRODUCTION EQUIPMENT</td>
<td>16,425</td>
<td>16,425</td>
</tr>
<tr>
<td>030</td>
<td>FIRST DESTINATION TRANSPORTATION (AMMO)</td>
<td>15,221</td>
<td>15,221</td>
</tr>
<tr>
<td>031</td>
<td>INDUSTRIAL FACILITIES</td>
<td>329,156</td>
<td>429,386</td>
</tr>
<tr>
<td>032</td>
<td>CONVENTIONAL MUNITIONS DEMILITARIZATION</td>
<td>197,825</td>
<td>197,825</td>
</tr>
<tr>
<td>033</td>
<td>SECURITY FORCE ASSISTANCE BRIGADE</td>
<td>7,441</td>
<td>7,441</td>
</tr>
<tr>
<td>034</td>
<td>SECURITY FORCE ASSISTANCE BRIGADE</td>
<td>1,200</td>
<td>1,200</td>
</tr>
<tr>
<td>035</td>
<td>TOTAL PROCUREMENT OF COMBAT VEHICLE, ARMY</td>
<td>1,879,283</td>
<td>2,714,567</td>
</tr>
</tbody>
</table>

### PROCUREMENT OF AMMUNITION, ARMY

**Small/Medium Cal Ammunition**

- C75, 5.56MM, ALL TYPES: 39,767
- UFR: Additional ammunition: 46,904
- C75, 7.62MM, ALL TYPES: 10,413
- UFR: Additional ammunition: 10,503
- C75, 50 CAL, ALL TYPES: 62,837
- UFR: Additional ammunition: 71,727
- C75, 20MM, ALL TYPES: 8,208
- UFR: Additional ammunition: 8,208
- C75, 25MM, ALL TYPES: 8,640
- UFR: Additional ammunition: 40,562
- C75, 30MM, ALL TYPES: 76,850
- UFR: Additional ammunition: 79,000
- C75, 40MM, ALL TYPES: 108,149
- UFR: Additional ammunition: 125,380

**Large Cal Ammunition**

- 60MM MORTAR, ALL TYPES: 57,359
- UFR: Additional ammunition: 59,859
- 120MM MORTAR, ALL TYPES: 49,471
- UFR: Additional ammunition: 52,580
- 120MM MORTAR, ALL TYPES: 93,528
- UFR: Additional ammunition: 109,720

**Other Procurement, Army**

- Tactical Trailers/Dolly Sets: 9,716
- Semi-Trailers, Flatbed: 14,131
- Ambulance, 4 Litter, 3/4 Ton, 4x4: 55,000
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>004</td>
<td>Ground Rotorcraft (661)</td>
<td>40,935</td>
<td>40,935</td>
</tr>
<tr>
<td>006</td>
<td>Joint Light Tactical Vehicle</td>
<td>804,440</td>
<td>804,440</td>
</tr>
<tr>
<td>007</td>
<td>Truck DUMP 25T (CYR)</td>
<td>967</td>
<td>967</td>
</tr>
<tr>
<td>008</td>
<td>Family of Medium Tactical VEH (FMTV)</td>
<td>78,630</td>
<td>241,944</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures vehicles</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—trailers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>Firetrucks &amp; Associated Firefighting EqP</td>
<td>19,404</td>
<td>19,404</td>
</tr>
<tr>
<td>010</td>
<td>Family of Heavy Tactical VEH (FHTV)</td>
<td>81,656</td>
<td>88,784</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Forward Repair Systems (FRS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>011</td>
<td>Lite EqP</td>
<td>7,129</td>
<td>59,729</td>
</tr>
<tr>
<td></td>
<td>UFR: Provides transportation of ammunition and breakbulk cargo</td>
<td></td>
<td></td>
</tr>
<tr>
<td>012</td>
<td>HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV</td>
<td>112,250</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>013</td>
<td>Tactical Wheeled Vehicle Protection Kits</td>
<td>43,040</td>
<td>43,040</td>
</tr>
<tr>
<td>014</td>
<td>Modification of In SVC EqP</td>
<td>83,940</td>
<td>157,792</td>
</tr>
<tr>
<td></td>
<td>UFR: Additional Buffalo and MMIP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>015</td>
<td>Non-Strategic Vehs</td>
<td>269</td>
<td>269</td>
</tr>
<tr>
<td>037</td>
<td>Passenger Carrying Vehs</td>
<td>1,320</td>
<td>1,320</td>
</tr>
<tr>
<td>038</td>
<td>Nontactical Vehs, Other</td>
<td>6,964</td>
<td>6,964</td>
</tr>
<tr>
<td>019</td>
<td>Win-T—Ground Forces Tactical Network</td>
<td>420,492</td>
<td>420,492</td>
</tr>
<tr>
<td>020</td>
<td>Signal Modernization Program</td>
<td>92,718</td>
<td>92,718</td>
</tr>
<tr>
<td>021</td>
<td>Tactical Network Technology MOD In SVC</td>
<td>150,497</td>
<td>227,997</td>
</tr>
<tr>
<td></td>
<td>Program reduction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>022</td>
<td>Joint Incident Site Communications Capability</td>
<td>6,065</td>
<td>6,065</td>
</tr>
<tr>
<td>023</td>
<td>Joint Equipment (USRDOOM)</td>
<td>5,053</td>
<td>5,053</td>
</tr>
<tr>
<td>024</td>
<td>Domain-Specific Communications</td>
<td>161,304</td>
<td>161,304</td>
</tr>
<tr>
<td>025</td>
<td>Transportable Tactical Communication Systems</td>
<td>62,800</td>
<td>62,800</td>
</tr>
<tr>
<td>026</td>
<td>SHF Term</td>
<td>11,622</td>
<td>11,622</td>
</tr>
<tr>
<td>028</td>
<td>Smart-T (Space)</td>
<td>6,799</td>
<td>6,799</td>
</tr>
<tr>
<td>029</td>
<td>Global Broadcast SVC—GBS</td>
<td>7,065</td>
<td>7,065</td>
</tr>
<tr>
<td>031</td>
<td>Unfunded requirement for Joint TAM (SIP)</td>
<td>23,467</td>
<td>23,467</td>
</tr>
<tr>
<td>032</td>
<td>Combat Support COMM</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>034</td>
<td>Army Global C2 &amp; Control Sys (AGCS)</td>
<td>2,858</td>
<td>2,858</td>
</tr>
<tr>
<td>036</td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>037</td>
<td>Mid-Tier Networking Vehicular Radio (MNVR)</td>
<td>25,100</td>
<td>25,100</td>
</tr>
<tr>
<td>038</td>
<td>Radio Terminal Set, MHS LV2(1)</td>
<td>11,160</td>
<td>11,160</td>
</tr>
<tr>
<td>040</td>
<td>Tractor Desk</td>
<td>2,041</td>
<td>2,041</td>
</tr>
<tr>
<td>041</td>
<td>Tractor RIDE</td>
<td>5,544</td>
<td>15,734</td>
</tr>
<tr>
<td></td>
<td>UFR: Procurement of Offensive Cyber Operations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>042</td>
<td>Spider APLA Remote Control Unit</td>
<td>996</td>
<td>996</td>
</tr>
<tr>
<td>043</td>
<td>Spider Family of Networked Munitions Incr</td>
<td>4,500</td>
<td>6,858</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Spider LLC systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>044</td>
<td>Tactical Communications and Protective System</td>
<td>4,411</td>
<td>4,411</td>
</tr>
<tr>
<td>045</td>
<td>Unified Command Suite</td>
<td>15,275</td>
<td>15,275</td>
</tr>
<tr>
<td>047</td>
<td>Family of Medium COM for Contingency Casualty Care</td>
<td>15,964</td>
<td>15,964</td>
</tr>
<tr>
<td>049</td>
<td>Intelligence COMM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>054</td>
<td>Intelligence Security</td>
<td>107,804</td>
<td>100,607</td>
</tr>
<tr>
<td>055</td>
<td>UFR: Security Data System and End-Cryptographic Units</td>
<td></td>
<td></td>
</tr>
<tr>
<td>056</td>
<td>Defensive Cyber Operations</td>
<td>53,416</td>
<td>61,436</td>
</tr>
<tr>
<td></td>
<td>UFR: Funds Deployable DCO Systems for COMPO 2/3 Cyber Protection Teams</td>
<td></td>
<td></td>
</tr>
<tr>
<td>057</td>
<td>Persistent Cyber Training Environment</td>
<td>4,000</td>
<td>4,000</td>
</tr>
<tr>
<td>058</td>
<td>Homeland Security Communications</td>
<td>43,751</td>
<td>43,751</td>
</tr>
<tr>
<td>059</td>
<td>Information Systems</td>
<td>118,101</td>
<td>118,101</td>
</tr>
<tr>
<td>060</td>
<td>Emergency Management Modernization Program</td>
<td>4,490</td>
<td>4,490</td>
</tr>
<tr>
<td>062</td>
<td>Installation Info Infrastructure MOD Program</td>
<td>186,251</td>
<td>186,251</td>
</tr>
<tr>
<td>063</td>
<td>Elect Equip—TACT INTEL ACT (TIARA)</td>
<td>12,154</td>
<td>19,754</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures critical spare parts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>068</td>
<td>DCSA, (MIP)</td>
<td>274,782</td>
<td>274,782</td>
</tr>
<tr>
<td>070</td>
<td>TRSM/ (MIP)</td>
<td>16,052</td>
<td>29,212</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures TRSM/ SPIRIT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## SEC. 4101. PROCUREMENT

**(In Thousands of Dollars)**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>071</td>
<td>MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)</td>
<td>53,014</td>
<td>51,814</td>
</tr>
<tr>
<td>072</td>
<td>CI HUMINT AUTO REPRITING AND COLL (CHARCS)</td>
<td>7,815</td>
<td>7,815</td>
</tr>
<tr>
<td>073</td>
<td>CLOSE ACCESS TARGET RECONNAISSANCE (CATRS)</td>
<td>8,090</td>
<td>8,090</td>
</tr>
<tr>
<td>074</td>
<td>MAJUNKE FOREIGN LANGUAGE TRANSLATION SYSTEM-M</td>
<td>567</td>
<td>567</td>
</tr>
<tr>
<td>075</td>
<td>ELECT EQUIP—ELECTRONIC WARFARE (EW)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>076</td>
<td>LIGHTWEIGHT COUNTER MORTAR RADAR</td>
<td>20,459</td>
<td>20,459</td>
</tr>
<tr>
<td>077</td>
<td>EW PLANNING &amp; MANAGEMENT TOOLS (RWPMT)</td>
<td>5,805</td>
<td>5,805</td>
</tr>
<tr>
<td>078</td>
<td>AIR VEILANCE (AV)</td>
<td>5,348</td>
<td>5,348</td>
</tr>
<tr>
<td>079</td>
<td>CRW</td>
<td>17,560</td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>FAMILY OF NON-LETHAL EQUIPMENT (FNLE)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>081</td>
<td>PROTECTIVE SYSTEMS</td>
<td>1,613</td>
<td>1,613</td>
</tr>
<tr>
<td>082</td>
<td>CI MODERNIZATION</td>
<td>469</td>
<td>469</td>
</tr>
<tr>
<td><strong>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>083</td>
<td>SENTINEL MODS</td>
<td>294,191</td>
<td>100,001</td>
</tr>
<tr>
<td>084</td>
<td>NIGHT VISION DEVICES</td>
<td>166,491</td>
<td>229,389</td>
</tr>
<tr>
<td>085</td>
<td>SMALL TACTICAL OPTICAL RIFLE MOUNTED MLIP</td>
<td>11,947</td>
<td>16,897</td>
</tr>
<tr>
<td>086</td>
<td>INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS</td>
<td>21,380</td>
<td>500,613</td>
</tr>
<tr>
<td>087</td>
<td>FAMILY OF WEAPON SIGHTS (FWS)</td>
<td>8,700</td>
<td>13,458</td>
</tr>
<tr>
<td>088</td>
<td>ARTILLERY ACCURAC RQIP</td>
<td>2,129</td>
<td>2,129</td>
</tr>
<tr>
<td>089</td>
<td>JOINT BATTLE COMMAND—PLATFORM (JBC-P)</td>
<td>292,549</td>
<td>342,649</td>
</tr>
<tr>
<td>090</td>
<td>JOINT EFFECTS TARGETING SYSTEM (JETS)</td>
<td>48,644</td>
<td>48,644</td>
</tr>
<tr>
<td>091</td>
<td>MOD OF IN-SVC EQUIP (LLR)</td>
<td>5,198</td>
<td>5,198</td>
</tr>
<tr>
<td>092</td>
<td>COMPUTER BATTLESHIP LDMIC XM32</td>
<td>8,117</td>
<td>8,117</td>
</tr>
<tr>
<td>093</td>
<td>MORTAR FIRE CONTROL SYSTEM</td>
<td>33,451</td>
<td>47,513</td>
</tr>
<tr>
<td>094</td>
<td>JOINT EFFECTS TARGETING SYSTEM (JETS)</td>
<td>4,602</td>
<td>4,602</td>
</tr>
<tr>
<td>095</td>
<td>MORTAR FIRE CONTROL systems (M95, M96)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>096</td>
<td>COUNTERBIRTH RADARS</td>
<td>329,057</td>
<td>393,257</td>
</tr>
<tr>
<td><strong>ELECT EQUIP—TACTICAL C2 SYSTEMS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>097</td>
<td>FIRE SUPPORT C2 FAMILY</td>
<td>7,000</td>
<td>15,425</td>
</tr>
<tr>
<td>098</td>
<td>AIR &amp; AML DEFENSE PLANNING &amp; CONTROL SYSTEMS</td>
<td>26,635</td>
<td>125,113</td>
</tr>
<tr>
<td>100</td>
<td>LIFE CYCLE SOFTWARE SUPPORT (LOSS)</td>
<td>1,992</td>
<td>1,992</td>
</tr>
<tr>
<td>101</td>
<td>NETWORK MANAGEMENT INITIALIZATION AND SERVICE</td>
<td>15,179</td>
<td>15,179</td>
</tr>
<tr>
<td>102</td>
<td>MANEUVER CONTROL SYSTEM (MCN)</td>
<td>132,572</td>
<td>137,114</td>
</tr>
<tr>
<td>103</td>
<td>Joint Mission Command Equipment</td>
<td>1,000</td>
<td>1,001</td>
</tr>
<tr>
<td>104</td>
<td>INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPT)</td>
<td>16,140</td>
<td>16,140</td>
</tr>
<tr>
<td>105</td>
<td>RECONNAISSANCE AND SURVEYING INSTRUMENT SET</td>
<td>6,093</td>
<td>20,848</td>
</tr>
<tr>
<td>106</td>
<td>MOD OF IN-SVC EQUIPMENT (RFIRE)</td>
<td>1,114</td>
<td>1,114</td>
</tr>
<tr>
<td><strong>ELECT EQUIP—AUTOMATION</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>ARMY TRAINING MODERNIZATION</td>
<td>11,575</td>
<td>11,575</td>
</tr>
<tr>
<td>108</td>
<td>AUTOMATED DATA PROCESSING EQUIP</td>
<td>91,981</td>
<td>91,981</td>
</tr>
<tr>
<td>109</td>
<td>GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM</td>
<td>1,465</td>
<td>1,465</td>
</tr>
<tr>
<td>110</td>
<td>HIGH PERF COMPUTING 3200 PM (HP32P)</td>
<td>66,363</td>
<td>66,363</td>
</tr>
<tr>
<td>111</td>
<td>CONTRACT WRITING SYSTEM</td>
<td>3,003</td>
<td>3,003</td>
</tr>
<tr>
<td>112</td>
<td>RESERVE COMPONENT AUTOMATION SY S (RCA)</td>
<td>26,161</td>
<td>26,161</td>
</tr>
<tr>
<td><strong>ELECT EQUIP—AUDIO VISUAL SYS (AV)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>113</td>
<td>TACTICAL DIGITAL MEDIA</td>
<td>4,441</td>
<td>4,441</td>
</tr>
<tr>
<td>114</td>
<td>ITEMS LESS THAN $5M (SURVEYING EQUIPMENT)</td>
<td>4,514</td>
<td>16,414</td>
</tr>
<tr>
<td>115</td>
<td>UFR: Procure Common Bridge Transporter (CBT) RECAP</td>
<td>23,046</td>
<td>41,446</td>
</tr>
<tr>
<td><strong>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>116</td>
<td>Production Base Support (CBS)</td>
<td>499</td>
<td>499</td>
</tr>
<tr>
<td>117</td>
<td>CLASSIFIED PROGRAMS</td>
<td>25,050</td>
<td>25,050</td>
</tr>
<tr>
<td>118</td>
<td>CHEMICAL DEFENSIVE EQUIPMENT</td>
<td>4,819</td>
<td>4,819</td>
</tr>
<tr>
<td>119</td>
<td>PROTECTIVE SYSTEMS</td>
<td>1,613</td>
<td>1,613</td>
</tr>
<tr>
<td>120</td>
<td>FAMILY OF NON-LETHAL EQUIPMENT (FNLE)</td>
<td>9,806</td>
<td>9,806</td>
</tr>
<tr>
<td>121</td>
<td>BRIDGING EQUIPMENT</td>
<td>1,110</td>
<td>1,110</td>
</tr>
<tr>
<td>122</td>
<td>TACTICAL BRIDGING</td>
<td>16,610</td>
<td>16,610</td>
</tr>
<tr>
<td>123</td>
<td>TACTICAL BRIDGE, FLAT-BOX-HBON</td>
<td>23,761</td>
<td>43,761</td>
</tr>
<tr>
<td>124</td>
<td>UFR: Procure Classic Bridge Bunkers</td>
<td>23,046</td>
<td>41,446</td>
</tr>
<tr>
<td>125</td>
<td>COMMON BRIDGE TRANSPORTER (CBT) RECAP</td>
<td>40,400</td>
<td>40,400</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>125</td>
<td>HANDHELD STANOFF MINEFIELD DETECTION SYSTEM</td>
<td>5,000</td>
<td>10,600</td>
</tr>
<tr>
<td>126</td>
<td>GEND STANOFF MINE DETECTION SYSTEM</td>
<td>32,442</td>
<td>43,242</td>
</tr>
<tr>
<td>127</td>
<td>ARENA MINE DETECTION SYSTEM (AMDS)</td>
<td>10,571</td>
<td>10,571</td>
</tr>
<tr>
<td>128</td>
<td>HUSKY MOUNTED DETECTION SYSTEM (HMDS)</td>
<td>21,685</td>
<td>24,005</td>
</tr>
<tr>
<td>129</td>
<td>ROBOTIC COMBAT SUPPORT SYSTEM (ROBOS)</td>
<td>4,516</td>
<td>19,616</td>
</tr>
<tr>
<td>130</td>
<td>EOD ROBOT SYSTEMS RECAPITALIZATION</td>
<td>10,073</td>
<td>15,073</td>
</tr>
<tr>
<td>131</td>
<td>ROBOTIC AND APPLIANCE SYSTEM</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>132</td>
<td>REMOTE DEMONSTRATION SYSTEM</td>
<td>5,847</td>
<td>7,039</td>
</tr>
<tr>
<td>133</td>
<td>COUNTERMINE EQUIPMENT</td>
<td>1,500</td>
<td>1,500</td>
</tr>
<tr>
<td>134</td>
<td>FAMILY OF HOISTS AND MOTORS</td>
<td>4,302</td>
<td>4,002</td>
</tr>
<tr>
<td>135</td>
<td>COMBAT SERVICE SUPPORT EQUIPMENT</td>
<td>7,405</td>
<td>16,461</td>
</tr>
<tr>
<td>136</td>
<td>HELICOPTERS AND EC-130</td>
<td>3,095</td>
<td>1,095</td>
</tr>
<tr>
<td>137</td>
<td>PERSONNEL RECOVERY SYSTEM</td>
<td>5,290</td>
<td>5,290</td>
</tr>
<tr>
<td>138</td>
<td>GD/UND SOLDIER SYSTEM</td>
<td>38,219</td>
<td>42,808</td>
</tr>
<tr>
<td>139</td>
<td>PROTECTIVE SYSTEM</td>
<td>4,369</td>
<td>4,369</td>
</tr>
<tr>
<td>140</td>
<td>MOBILE SELLER POWER</td>
<td>10,456</td>
<td>12,018</td>
</tr>
<tr>
<td>141</td>
<td>FIELD FEEDING EQUIPMENT</td>
<td>15,140</td>
<td>29,740</td>
</tr>
<tr>
<td>142</td>
<td>BCT SUPPORT EQUIPMENT</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>143</td>
<td>FAMILY OF NGS, COMBAT AND CONSTRUCTION SETS</td>
<td>6,926</td>
<td>18,800</td>
</tr>
<tr>
<td>144</td>
<td>PETROLEUM EQUIPMENT</td>
<td>6,903</td>
<td>6,903</td>
</tr>
<tr>
<td>145</td>
<td>DISTRIBUTION SYSTEMS, PETROLEUM &amp; WATER</td>
<td>47,597</td>
<td>47,597</td>
</tr>
<tr>
<td>146</td>
<td>MEDICAL EQUIPMENT</td>
<td>43,343</td>
<td>43,343</td>
</tr>
<tr>
<td>147</td>
<td>MAINTENANCE EQUIPMENT</td>
<td>33,774</td>
<td>47,670</td>
</tr>
<tr>
<td>148</td>
<td>MEDICAL EQUIPMENT</td>
<td>33,774</td>
<td>47,670</td>
</tr>
<tr>
<td>149</td>
<td>MOBILE MAINTENANCE EQUIPMENT SYSTEM</td>
<td>2,728</td>
<td>3,662</td>
</tr>
<tr>
<td>150</td>
<td>ITEMS LESS THAN $5.0M (MAINT EQ)</td>
<td>6,903</td>
<td>6,903</td>
</tr>
<tr>
<td>151</td>
<td>CONSTRUCTION EQUIPMENT</td>
<td>8,935</td>
<td>11,140</td>
</tr>
<tr>
<td>152</td>
<td>GRADERS, ROAD MTD, Hew. 4x4 (CUR)</td>
<td>11,140</td>
<td>11,140</td>
</tr>
<tr>
<td>153</td>
<td>TRACTOR, FULL TRACKED</td>
<td>48,679</td>
<td>48,679</td>
</tr>
<tr>
<td>154</td>
<td>UNFUND REQUIREMENT</td>
<td>48,679</td>
<td>48,679</td>
</tr>
<tr>
<td>155</td>
<td>ALL TERAIN CHAIN</td>
<td>9,805</td>
<td>11,140</td>
</tr>
<tr>
<td>156</td>
<td>UFR: Shop equipment</td>
<td>15,296</td>
<td></td>
</tr>
<tr>
<td>157</td>
<td>ITEMS LESS THAN $5.0M (MAINT EQ)</td>
<td>2,728</td>
<td>3,662</td>
</tr>
<tr>
<td>158</td>
<td>CONSTRUCTION EQUIPMENT</td>
<td>58,750</td>
<td>62,000</td>
</tr>
<tr>
<td>159</td>
<td>CONSTRUCTION EQUIPMENT</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>160</td>
<td>CONSTRUCTION EQUIPMENT</td>
<td>10,456</td>
<td>12,018</td>
</tr>
<tr>
<td>161</td>
<td>ITEMS LESS THAN $5.0M (MAINT EQ)</td>
<td>6,899</td>
<td>11,911</td>
</tr>
<tr>
<td>162</td>
<td>RAIL FLOAT CONTAINERIZATION EQUIPMENT</td>
<td>11,140</td>
<td>11,140</td>
</tr>
<tr>
<td>163</td>
<td>RAIL FLOAT CONTAINERIZATION EQUIPMENT</td>
<td>20,110</td>
<td>20,110</td>
</tr>
<tr>
<td>164</td>
<td>GENERATORS</td>
<td>2,877</td>
<td>2,877</td>
</tr>
<tr>
<td>165</td>
<td>GENERATORS AND ASSOCIATED EQUIPMENT</td>
<td>11,845</td>
<td>12,845</td>
</tr>
<tr>
<td>166</td>
<td>MATERIAL HANDLING EQUIPMENT</td>
<td>7,434</td>
<td>7,434</td>
</tr>
<tr>
<td>167</td>
<td>FAMILY OF FORKLIFTS</td>
<td>9,000</td>
<td>10,615</td>
</tr>
<tr>
<td>168</td>
<td>TRAINING EQUIPMENT</td>
<td>6,899</td>
<td>11,911</td>
</tr>
<tr>
<td>169</td>
<td>UNFUND REQUIREMENT</td>
<td>37,750</td>
<td></td>
</tr>
<tr>
<td>170</td>
<td>UNFUND REQUIREMENT</td>
<td>285,969</td>
<td></td>
</tr>
<tr>
<td>171</td>
<td>UNFUND REQUIREMENT</td>
<td>15,073</td>
<td></td>
</tr>
<tr>
<td>172</td>
<td>UNFUND REQUIREMENT</td>
<td>15,073</td>
<td></td>
</tr>
<tr>
<td>173</td>
<td>UNFUND REQUIREMENT</td>
<td>15,073</td>
<td></td>
</tr>
<tr>
<td>174</td>
<td>UNFUND REQUIREMENT</td>
<td>15,073</td>
<td></td>
</tr>
<tr>
<td>175</td>
<td>UNFUND REQUIREMENT</td>
<td>15,073</td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>175</td>
<td>M25 STABILIZED Binocular</td>
<td>3,956</td>
<td>3,956</td>
</tr>
<tr>
<td>176</td>
<td>RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT</td>
<td>5,000</td>
<td>10,000</td>
</tr>
<tr>
<td>177</td>
<td>PHYSICAL SECURITY SYSTEMS (POL)</td>
<td>60,047</td>
<td>60,047</td>
</tr>
<tr>
<td>178</td>
<td>BASE LEVEL COMMON EQUIPMENT</td>
<td>13,259</td>
<td>13,259</td>
</tr>
<tr>
<td>179</td>
<td>MODIFICATION OF IN-SVC EQUIPMENT (OPA–3)</td>
<td>60,192</td>
<td>99,412</td>
</tr>
<tr>
<td>180</td>
<td>PRODUCTION BASE SUPPORT (OTH)</td>
<td>2,371</td>
<td>2,371</td>
</tr>
<tr>
<td>181</td>
<td>SPECIAL EQUIPMENT FOR USER TESTING</td>
<td>5,119</td>
<td>5,119</td>
</tr>
<tr>
<td>182</td>
<td>TRACTOR YARD</td>
<td>5,935</td>
<td>5,935</td>
</tr>
<tr>
<td>184</td>
<td>INITIAL SPARES—C&amp;OE</td>
<td>38,269</td>
<td>38,269</td>
</tr>
<tr>
<td>185</td>
<td>UNDISTRIBUTED</td>
<td>56,000</td>
<td>56,000</td>
</tr>
<tr>
<td>186</td>
<td>SECURITY FORCE ASSISTANCE BRIGADE</td>
<td>6,469,331</td>
<td>8,489,056</td>
</tr>
</tbody>
</table>

**JOINT IMPROVISED-THREAT DEFEAT FUND**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>RAPID ACQUISITION AND THREAT RESPONSE</td>
<td>14,442</td>
<td>14,442</td>
</tr>
<tr>
<td>002</td>
<td>AIRCRAFT PROCUREMENT, NAVY COMBAT AIRCRAFT</td>
<td>1,200,146</td>
<td>1,939,146</td>
</tr>
<tr>
<td>003</td>
<td>F/A-18F (FIGHTER) HORNET</td>
<td>729,000</td>
<td></td>
</tr>
<tr>
<td>004</td>
<td>ADVANCE PROCUREMENT (CV)</td>
<td>52,971</td>
<td>52,971</td>
</tr>
<tr>
<td>005</td>
<td>TOTAL OTHER PROCUREMENT, ARMY</td>
<td>13,239</td>
<td>13,239</td>
</tr>
<tr>
<td>006</td>
<td>JSF SPD, JL</td>
<td>1,298,339</td>
<td>2,925,739</td>
</tr>
<tr>
<td>007</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>263,112</td>
<td>263,112</td>
</tr>
<tr>
<td>008</td>
<td>CH–53K (HEAVY LIFT)</td>
<td>567,005</td>
<td>567,005</td>
</tr>
<tr>
<td>009</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>147,046</td>
<td>147,046</td>
</tr>
<tr>
<td>010</td>
<td>V–22 (MEDIUM LIFT)</td>
<td>1,199,404</td>
<td></td>
</tr>
<tr>
<td>011</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>27,422</td>
<td>27,422</td>
</tr>
<tr>
<td>012</td>
<td>H–1 UNITS (UH–YAH–1Z)</td>
<td>896,929</td>
<td></td>
</tr>
<tr>
<td>013</td>
<td>ADDITIONAL AIRCRAFT</td>
<td>40,862</td>
<td>40,862</td>
</tr>
<tr>
<td>014</td>
<td>P–3A POSEIDON</td>
<td>1,734,743</td>
<td></td>
</tr>
<tr>
<td>015</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>140,333</td>
<td>140,333</td>
</tr>
<tr>
<td>016</td>
<td>E–2D ADVANCED HAWKER</td>
<td>733,910</td>
<td></td>
</tr>
<tr>
<td>017</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>149,026</td>
<td>149,026</td>
</tr>
<tr>
<td>020</td>
<td>ADDITIONAL AIRCRAFT</td>
<td>129,577</td>
<td>484,877</td>
</tr>
<tr>
<td>021</td>
<td>KC–10J</td>
<td>335,300</td>
<td></td>
</tr>
<tr>
<td>022</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>25,497</td>
<td>25,497</td>
</tr>
<tr>
<td>023</td>
<td>MQ–4 TRIDENT</td>
<td>517,126</td>
<td></td>
</tr>
<tr>
<td>024</td>
<td>M2–1 TRIDENT</td>
<td>517,126</td>
<td></td>
</tr>
<tr>
<td>025</td>
<td>MQ–4 UAV</td>
<td>57,266</td>
<td>57,266</td>
</tr>
<tr>
<td>026</td>
<td>SQS800 UAV</td>
<td>49,472</td>
<td>49,472</td>
</tr>
<tr>
<td>027</td>
<td>UFR: Procure additional aircraft</td>
<td>60,880</td>
<td></td>
</tr>
<tr>
<td>028</td>
<td>MODIFICATION OF AIRCRAFT</td>
<td>59,200</td>
<td></td>
</tr>
<tr>
<td>029</td>
<td>ACH SYSTEMS</td>
<td>52,960</td>
<td>52,960</td>
</tr>
<tr>
<td>030</td>
<td>AV–8 SERIES</td>
<td>43,555</td>
<td>43,555</td>
</tr>
<tr>
<td>031</td>
<td>ADVISORY</td>
<td>2,565</td>
<td>2,565</td>
</tr>
<tr>
<td>032</td>
<td>F–18 SERIES</td>
<td>1,043,661</td>
<td>992,211</td>
</tr>
<tr>
<td>033</td>
<td>F–35 SERIES</td>
<td>38,712</td>
<td>38,712</td>
</tr>
<tr>
<td>034</td>
<td>AH–60 SERIES</td>
<td>95,313</td>
<td>95,313</td>
</tr>
<tr>
<td>035</td>
<td>H–1 SERIES</td>
<td>101,886</td>
<td></td>
</tr>
<tr>
<td>036</td>
<td>EP–3 SERIES</td>
<td>7,231</td>
<td>7,231</td>
</tr>
<tr>
<td>037</td>
<td>F–3 SERIES</td>
<td>7,231</td>
<td>7,231</td>
</tr>
<tr>
<td>038</td>
<td>E–3 SERIES</td>
<td>97,561</td>
<td>97,561</td>
</tr>
<tr>
<td>039</td>
<td>C–2A</td>
<td>8,184</td>
<td>8,184</td>
</tr>
<tr>
<td>040</td>
<td>C–130 SERIES</td>
<td>18,673</td>
<td>18,673</td>
</tr>
<tr>
<td>041</td>
<td>CARGO TRANSPORT AV SERIES</td>
<td>85,141</td>
<td>85,141</td>
</tr>
<tr>
<td>042</td>
<td>FRESNO</td>
<td>630</td>
<td>630</td>
</tr>
<tr>
<td>043</td>
<td>CARPET SERIES</td>
<td>10,075</td>
<td>10,075</td>
</tr>
<tr>
<td>044</td>
<td>E–6 SERIES</td>
<td>225,508</td>
<td>225,508</td>
</tr>
</tbody>
</table>
## SEC. 4101. PROCUREMENT

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>046</td>
<td>EXECUTIVE HELICOPTERS SERIES</td>
<td>38,747</td>
<td>38,747</td>
</tr>
<tr>
<td>047</td>
<td>SPECIAL PROJECT AIRCRAFT</td>
<td>8,304</td>
<td>8,304</td>
</tr>
<tr>
<td>048</td>
<td>T-45 SERIES</td>
<td>148,071</td>
<td>148,071</td>
</tr>
<tr>
<td>049</td>
<td>POWER PLANT CHANGES</td>
<td>19,827</td>
<td>19,827</td>
</tr>
<tr>
<td>050</td>
<td>JPATS SERIES</td>
<td>27,007</td>
<td>27,007</td>
</tr>
<tr>
<td>051</td>
<td>COMMON ECM EQUIPMENT</td>
<td>146,642</td>
<td>146,642</td>
</tr>
<tr>
<td>052</td>
<td>COMMON AVIONICS CHANGES</td>
<td>123,507</td>
<td>123,507</td>
</tr>
<tr>
<td>053</td>
<td>COMMON DEFENSIVE WEAPON SYSTEM</td>
<td>2,317</td>
<td>2,317</td>
</tr>
<tr>
<td>054</td>
<td>ID SYSTEMS</td>
<td>49,524</td>
<td>49,524</td>
</tr>
<tr>
<td>055</td>
<td>F-3 SERIES</td>
<td>18,665</td>
<td>18,665</td>
</tr>
<tr>
<td>056</td>
<td>MA/TP EW FOR AVIATION</td>
<td>10,111</td>
<td>10,111</td>
</tr>
<tr>
<td>057</td>
<td>MQ-9 SERIES</td>
<td>32,963</td>
<td>32,963</td>
</tr>
<tr>
<td>058</td>
<td>MQ-8 SERIES</td>
<td>31,889</td>
<td>31,889</td>
</tr>
<tr>
<td>059</td>
<td>V-22 (TILT/ROTOR AC/FT) OSPREY</td>
<td>226,321</td>
<td>226,321</td>
</tr>
<tr>
<td>060</td>
<td>F-35 STOVL SERIES</td>
<td>31,863</td>
<td>31,863</td>
</tr>
<tr>
<td>061</td>
<td>F-35 CV SERIES</td>
<td>31,889</td>
<td>31,889</td>
</tr>
<tr>
<td>062</td>
<td>QRC</td>
<td>24,766</td>
<td>24,766</td>
</tr>
<tr>
<td>063</td>
<td>MQ-4 SERIES</td>
<td>39,996</td>
<td>39,996</td>
</tr>
</tbody>
</table>

### AIRCRAFT SPARES AND REPAIR PARTS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>064</td>
<td>SPARES AND REPAIR PARTS</td>
<td>1,882,514</td>
<td>1,882,514</td>
</tr>
<tr>
<td>065</td>
<td>F-35B Spares</td>
<td>[32,600]</td>
<td>[32,600]</td>
</tr>
<tr>
<td>066</td>
<td>F/A-18C/D Training Systems</td>
<td>[17,860]</td>
<td>[17,860]</td>
</tr>
<tr>
<td>067</td>
<td>FA-18 INDUSTRIAL FACILITIES</td>
<td>24,613</td>
<td>24,613</td>
</tr>
<tr>
<td>068</td>
<td>WAR CONSUMABLES</td>
<td>39,614</td>
<td>39,614</td>
</tr>
<tr>
<td>069</td>
<td>OTHER PRODUCTION CHARGES</td>
<td>1,463</td>
<td>1,463</td>
</tr>
<tr>
<td>070</td>
<td>SPECIAL SUPPORT EQUIPMENT</td>
<td>49,500</td>
<td>49,500</td>
</tr>
</tbody>
</table>

### TOTAL AIRCRAFT PROCUREMENT, NAVY

- 15,056,235
- 18,945,985

### WEAPONS PROCUREMENT, NAVY

#### MODIFICATION OF MISSILES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>TRIDENT II MODS</td>
<td>1,143,595</td>
<td>1,143,595</td>
</tr>
<tr>
<td>002</td>
<td>MISSILE INDUSTRIAL FACILITIES</td>
<td>7,086</td>
<td>7,086</td>
</tr>
</tbody>
</table>

### STRATEGIC MISSILES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>003</td>
<td>TOMAHAWK</td>
<td>134,375</td>
<td>134,375</td>
</tr>
</tbody>
</table>

### TACTICAL MISSILES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>004</td>
<td>AIM-9X</td>
<td>197,109</td>
<td>209,109</td>
</tr>
<tr>
<td>005</td>
<td>AIM-120</td>
<td>79,692</td>
<td>79,692</td>
</tr>
<tr>
<td>006</td>
<td>JASSM</td>
<td>3,447</td>
<td>3,447</td>
</tr>
<tr>
<td>007</td>
<td>JASSM</td>
<td>510,875</td>
<td>510,875</td>
</tr>
<tr>
<td>008</td>
<td>JASSM</td>
<td>20,968</td>
<td>20,968</td>
</tr>
<tr>
<td>009</td>
<td>RAM</td>
<td>56,587</td>
<td>106,587</td>
</tr>
<tr>
<td>010</td>
<td>RAM</td>
<td>[48,000]</td>
<td>[48,000]</td>
</tr>
<tr>
<td>011</td>
<td>JASSM</td>
<td>3,122</td>
<td>12,522</td>
</tr>
</tbody>
</table>

### MODIFICATION OF MISSILES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>017</td>
<td>SM-1</td>
<td>74,524</td>
<td>74,524</td>
</tr>
<tr>
<td>018</td>
<td>HARM MODS</td>
<td>17,300</td>
<td>17,300</td>
</tr>
<tr>
<td>019</td>
<td>HARM MODS</td>
<td>181,368</td>
<td>181,368</td>
</tr>
<tr>
<td>020</td>
<td>STANDARD MISSILES MODS</td>
<td>11,729</td>
<td>11,729</td>
</tr>
</tbody>
</table>

### SUPPORT EQUIPMENT & FACILITIES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>022</td>
<td>WEAPONS INDUSTRIAL FACILITIES</td>
<td>4,021</td>
<td>4,021</td>
</tr>
<tr>
<td>023</td>
<td>FLEET SATELLITE COMM FOLLOW-ON</td>
<td>46,357</td>
<td>46,357</td>
</tr>
<tr>
<td>024</td>
<td>ORDNANCE SUPPORT EQUIPMENT</td>
<td>47,149</td>
<td>47,149</td>
</tr>
</tbody>
</table>

### TORPEDOES AND RELATED EQUIP

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>026</td>
<td>SSTD</td>
<td>5,240</td>
<td>5,240</td>
</tr>
<tr>
<td>027</td>
<td>MK-48 TORPEDO</td>
<td>44,771</td>
<td>70,781</td>
</tr>
<tr>
<td>028</td>
<td>MK-46 MARK 12</td>
<td>[20,100]</td>
<td>[20,100]</td>
</tr>
</tbody>
</table>

### GUNS AND GUN MOUNTS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>029</td>
<td>MK-46 MARK 12</td>
<td>[38,954]</td>
<td>[38,954]</td>
</tr>
<tr>
<td>030</td>
<td>MK-48 MARK 12</td>
<td>[20,100]</td>
<td>[20,100]</td>
</tr>
<tr>
<td>031</td>
<td>QF-43 MK-13</td>
<td>10,317</td>
<td>10,317</td>
</tr>
</tbody>
</table>

### SUPPORT EQUIPMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>032</td>
<td>MK-46 MARK 12</td>
<td>[70,781]</td>
<td>[70,781]</td>
</tr>
<tr>
<td>033</td>
<td>ASW RANGE SUPPORT</td>
<td>3,864</td>
<td>3,864</td>
</tr>
</tbody>
</table>

### DESTINATION TRANSPORTATION

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>034</td>
<td>FIRST DESTINATION TRANSPORTATION</td>
<td>3,961</td>
<td>3,961</td>
</tr>
</tbody>
</table>
### SEC. 4101. PROCUREMENT

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>015</td>
<td>SMALL ARMS AND WEAPONS MODIFICATION</td>
<td>11,312</td>
<td>11,312</td>
</tr>
<tr>
<td>036</td>
<td>GUNS AND GUN MOUNTS</td>
<td>72,088</td>
<td>72,088</td>
</tr>
<tr>
<td>037</td>
<td>COAST GUARD WEAPONS</td>
<td>38,931</td>
<td>38,931</td>
</tr>
<tr>
<td>038</td>
<td>GUN MOUNT MODS</td>
<td>76,025</td>
<td>76,025</td>
</tr>
<tr>
<td>019</td>
<td>LNS MODULE WEAPONS</td>
<td>13,110</td>
<td>13,110</td>
</tr>
<tr>
<td>040</td>
<td>CRUISER MODERNIZATION WEAPONS</td>
<td>34,825</td>
<td>34,825</td>
</tr>
<tr>
<td>041</td>
<td>AIRBORNE MINE NEUTRALIZATION SYSTEMS</td>
<td>16,925</td>
<td>16,925</td>
</tr>
<tr>
<td>041</td>
<td>SPARES AND REPAIR PARTS</td>
<td>110,255</td>
<td>110,255</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL WEAPONS PROCUREMENT, NAVY</strong></td>
<td><strong>3,420,107</strong></td>
<td><strong>3,515,607</strong></td>
</tr>
</tbody>
</table>

### PROCUREMENT OF AMMO, NAVY & MC

#### NAVY AMMUNITION

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>GENERAL PURPOSE BOARDS</td>
<td>34,892</td>
<td>34,892</td>
</tr>
<tr>
<td>012</td>
<td>JDAM</td>
<td>57,343</td>
<td>57,343</td>
</tr>
<tr>
<td>003</td>
<td>AIRBORNE ROCKETS, ALL TYPES</td>
<td>79,118</td>
<td>79,118</td>
</tr>
<tr>
<td>004</td>
<td>MAINTENANCE GUN AMMUNITION</td>
<td>14,112</td>
<td>14,112</td>
</tr>
<tr>
<td>005</td>
<td>PRACTICE BOARDS</td>
<td>47,027</td>
<td>47,027</td>
</tr>
<tr>
<td>006</td>
<td>CARTERIDGE &amp; CART ACTUATED DEVICES</td>
<td>57,718</td>
<td>57,718</td>
</tr>
<tr>
<td>007</td>
<td>AIR EXPENDABLE COUNTERMEASURES</td>
<td>65,908</td>
<td>65,908</td>
</tr>
<tr>
<td>008</td>
<td>JATO'S</td>
<td>2,895</td>
<td>2,895</td>
</tr>
<tr>
<td>010</td>
<td>5 IN/124 GUN AMMUNITION</td>
<td>22,112</td>
<td>22,112</td>
</tr>
<tr>
<td>013</td>
<td>MORTAR AMMUNITION</td>
<td>12,904</td>
<td>12,904</td>
</tr>
<tr>
<td>012</td>
<td>OTHER SHIP AMMUNITION</td>
<td>41,594</td>
<td>41,594</td>
</tr>
<tr>
<td>013</td>
<td>SMALL ARMS &amp; LANASHING PARTY AMM</td>
<td>49,401</td>
<td>49,401</td>
</tr>
<tr>
<td>014</td>
<td>PTROFECTIVE AND DESTRUCTION</td>
<td>9,495</td>
<td>9,495</td>
</tr>
<tr>
<td>016</td>
<td>AMMUNITION LESS THAN $5 MILLION</td>
<td>3,090</td>
<td>3,090</td>
</tr>
</tbody>
</table>

### MARINE CORPS AMMUNITION

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>019</td>
<td>60MM, ALL TYPES</td>
<td>11,800</td>
<td>11,800</td>
</tr>
<tr>
<td>020</td>
<td>MORTARDS</td>
<td>24,118</td>
<td>24,118</td>
</tr>
<tr>
<td>021</td>
<td>30MM, ALL TYPES</td>
<td>14,500</td>
<td>14,500</td>
</tr>
<tr>
<td>023</td>
<td>DIRECT SUPPORT MUNITIONS</td>
<td>64,045</td>
<td>64,045</td>
</tr>
<tr>
<td>024</td>
<td>INFANTRY WEAPONS AMMUNITION</td>
<td>91,456</td>
<td>91,456</td>
</tr>
<tr>
<td>027</td>
<td>ARTILLERY, ALL TYPES</td>
<td>17,000</td>
<td>17,000</td>
</tr>
<tr>
<td>029</td>
<td>UNREQUETED—RETRAINING ROUNDS</td>
<td>11,748</td>
<td>11,748</td>
</tr>
<tr>
<td>032</td>
<td>AMMO MODERNIZATION</td>
<td>17,492</td>
<td>17,492</td>
</tr>
<tr>
<td>033</td>
<td>ARTILLERY MUNITIONS</td>
<td>79,427</td>
<td>79,427</td>
</tr>
<tr>
<td>034</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>5,960</td>
<td>5,960</td>
</tr>
</tbody>
</table>

**TOTAL PROCUREMENT OF AMMO, NAVY & MC**

(792,345 834,845)

### SHIPBUILDING AND CONVERSION, NAVY

#### FLEET BALLISTIC MISSILE SHIPS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>842,833</td>
<td>842,833</td>
</tr>
<tr>
<td>002</td>
<td>CARRIER REPLACEMENT PROGRAM</td>
<td>4,441,772</td>
<td>4,441,772</td>
</tr>
<tr>
<td>004</td>
<td>VIRGINIA (CLASS) SUBMARINE</td>
<td>3,305,115</td>
<td>3,305,115</td>
</tr>
<tr>
<td>005</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>1,920,196</td>
<td>2,181,196</td>
</tr>
<tr>
<td>006</td>
<td>CVN REPAIRING OVERHAULS</td>
<td>1,604,890</td>
<td>1,569,669</td>
</tr>
<tr>
<td>007</td>
<td>AN/SPQ-46 overhaul/upgrade cost growth</td>
<td>[3,126]</td>
<td>[3,126]</td>
</tr>
<tr>
<td>008</td>
<td>AN/SPQ-50 radar unjustified request</td>
<td>[2,746]</td>
<td>[2,746]</td>
</tr>
<tr>
<td>009</td>
<td>IFP interrogator set unjustified request</td>
<td>[2,894]</td>
<td>[2,894]</td>
</tr>
<tr>
<td>010</td>
<td>3rd FY20 SSN, ROQ or SIB expansion</td>
<td>698,000</td>
<td>698,000</td>
</tr>
<tr>
<td>011</td>
<td>UCLASS only to need</td>
<td>[26,700]</td>
<td>[26,700]</td>
</tr>
<tr>
<td>012</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>75,897</td>
<td>75,897</td>
</tr>
<tr>
<td>013</td>
<td>DDG-100</td>
<td>223,968</td>
<td>223,968</td>
</tr>
<tr>
<td>014</td>
<td>Unjustified cost growth</td>
<td>[50,000]</td>
<td>[50,000]</td>
</tr>
<tr>
<td>015</td>
<td>DDG-51</td>
<td>3,499,079</td>
<td>3,583,079</td>
</tr>
<tr>
<td>016</td>
<td>1 additional DDG for FY18-22 MYP contract</td>
<td>[1,750,000]</td>
<td>[1,750,000]</td>
</tr>
<tr>
<td>017</td>
<td>Ship Signal Equipment</td>
<td>[34,000]</td>
<td>[34,000]</td>
</tr>
<tr>
<td>018</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>90,316</td>
<td>340,316</td>
</tr>
<tr>
<td>019</td>
<td>RTQ for FY18-22 MYP contract</td>
<td>[250,000]</td>
<td>[250,000]</td>
</tr>
<tr>
<td>020</td>
<td>LITTORAL COMBAT SHIP</td>
<td>636,116</td>
<td>1,330,116</td>
</tr>
<tr>
<td>021</td>
<td>UNCLASS</td>
<td>[900,000]</td>
<td>[900,000]</td>
</tr>
</tbody>
</table>

### AMPHIBIOUS SHIPS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>013</td>
<td>LPD-17</td>
<td>1,500,000</td>
<td>1,500,000</td>
</tr>
<tr>
<td>014</td>
<td>LANDING CRAFT or LPD-38</td>
<td>1,500,000</td>
<td>1,500,000</td>
</tr>
<tr>
<td>014</td>
<td>EXPEDIENTIAL SEA BASE (ESB)</td>
<td>635,000</td>
<td>635,000</td>
</tr>
<tr>
<td>015</td>
<td>LHA REPLACEMENT</td>
<td>1,710,927</td>
<td>1,710,927</td>
</tr>
</tbody>
</table>

### AUXILIARIES, CRAFT AND PRIOR YEAR PROGRAM COST

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>018</td>
<td>TAO FLEET OILER</td>
<td>465,988</td>
<td>465,988</td>
</tr>
<tr>
<td>019</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>75,068</td>
<td>75,068</td>
</tr>
<tr>
<td>020</td>
<td>TOWING, SALVAGE, AND RESCUE SHIP (ATS)</td>
<td>76,204</td>
<td>76,204</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>023</td>
<td>LCU 1700</td>
<td>31,820</td>
<td>31,820</td>
</tr>
<tr>
<td>024</td>
<td>OUTFITTING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>025</td>
<td>VIRGINIA CLASS OUTFITTING COST GROWTH</td>
<td>548,701</td>
<td>542,626</td>
</tr>
<tr>
<td>026</td>
<td>SUBMARINE WARFARE SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>027</td>
<td>SHIP TO SHORE CONNECTORS</td>
<td>232,554</td>
<td>524,554</td>
</tr>
<tr>
<td>028</td>
<td>UFR: 5 additional Ship-to-Shore Connectors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>029</td>
<td>COMPLETION OF FY SHIPBUILDING PROGRAMS</td>
<td>117,542</td>
<td>117,542</td>
</tr>
<tr>
<td>030</td>
<td>CABLE SHIP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>031</td>
<td>PRESSURE CABLE SHIP</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL SHIPBUILDING AND CONVERSION, NAVY</td>
<td>19,003,682</td>
<td>26,180,284</td>
</tr>
</tbody>
</table>

**OTHER PROCUREMENT, NAVY**

**SHIP PROPULSION EQUIPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>SURFACE POWER EQUIPMENT</td>
<td>41,910</td>
<td>41,910</td>
</tr>
<tr>
<td>004</td>
<td>HYBRID ELECTRIC DRIVE (RED)</td>
<td>6,311</td>
<td>6,311</td>
</tr>
</tbody>
</table>

**GENERATORS**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>005</td>
<td>SURFACE CO-BATTART HMMR</td>
<td>27,392</td>
<td>27,392</td>
</tr>
</tbody>
</table>

**NAVIGATION EQUIPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>006</td>
<td>OTHER NAVIGATION EQUIPMENT</td>
<td>65,943</td>
<td>65,943</td>
</tr>
</tbody>
</table>

**PERISOCOPES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>007</td>
<td>SUB PERISOCOPES &amp; IMAGING EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>008</td>
<td>NAVIGATION EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>NAVIGATION EQUIPMENT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**OTHER SHIPBOARD EQUIPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>FIREFIGHTING EQUIPMENT</td>
<td>15,887</td>
<td>15,887</td>
</tr>
<tr>
<td>011</td>
<td>COMMAND AND CONTROL SWITCHBOARD</td>
<td>2,240</td>
<td>2,240</td>
</tr>
<tr>
<td>012</td>
<td>LHA/LHD MIDLIFE</td>
<td>30,287</td>
<td>30,287</td>
</tr>
<tr>
<td>014</td>
<td>POLLUTION CONTROL EQUIPMENT</td>
<td>17,293</td>
<td>17,293</td>
</tr>
<tr>
<td>015</td>
<td>SUBMARINE SUPPORT EQUIPMENT</td>
<td>27,990</td>
<td>27,990</td>
</tr>
<tr>
<td>016</td>
<td>VIRGINIA CLASS SUPPORT EQUIPMENT</td>
<td>46,610</td>
<td>46,610</td>
</tr>
<tr>
<td>017</td>
<td>LES CLASS SUPPORT EQUIPMENT</td>
<td>47,955</td>
<td>47,955</td>
</tr>
<tr>
<td>018</td>
<td>SUBMARINE BATTERIES</td>
<td>17,594</td>
<td>17,594</td>
</tr>
<tr>
<td>019</td>
<td>LPH CLASS SUPPORT EQUIPMENT</td>
<td>61,008</td>
<td>61,008</td>
</tr>
<tr>
<td>020</td>
<td>STRATEGIC PLATFORM SUPPORT EQUIPMENT</td>
<td>15,812</td>
<td>15,812</td>
</tr>
<tr>
<td>022</td>
<td>DENAVIGATION</td>
<td>4,118</td>
<td>4,118</td>
</tr>
<tr>
<td>023</td>
<td>MODERNIZATION</td>
<td>306,050</td>
<td>306,050</td>
</tr>
<tr>
<td>024</td>
<td>LCS</td>
<td>5,007</td>
<td>5,007</td>
</tr>
<tr>
<td>025</td>
<td>UNDERWATER ROV PROGRAMS</td>
<td>55,922</td>
<td>55,922</td>
</tr>
<tr>
<td>026</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>96,909</td>
<td>96,909</td>
</tr>
<tr>
<td>027</td>
<td>CHEMICAL WARFARE DETECTORS</td>
<td>3,036</td>
<td>3,036</td>
</tr>
<tr>
<td>028</td>
<td>SUBMARINE LIFE SUPPORT SYSTEM</td>
<td>10,164</td>
<td>10,364</td>
</tr>
</tbody>
</table>

**REACTOR PLANT EQUIPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>029</td>
<td>REACTOR POWER UNITS</td>
<td>324,925</td>
<td>324,925</td>
</tr>
<tr>
<td>030</td>
<td>REACTOR COMPONENTS</td>
<td>514,468</td>
<td>514,468</td>
</tr>
</tbody>
</table>

**OCEAN ENGINEERING**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>031</td>
<td>DIVING AND SALVAGE EQUIPMENT</td>
<td>10,619</td>
<td>10,619</td>
</tr>
</tbody>
</table>

**SMALL BOATS**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>032</td>
<td>STANDARD BOATS</td>
<td>46,094</td>
<td>46,094</td>
</tr>
</tbody>
</table>

**PRODUCTION FACILITIES EQUIPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>034</td>
<td>OPERATING FORCES IFP</td>
<td>191,541</td>
<td>191,541</td>
</tr>
</tbody>
</table>

**OTHER SHIP SUPPORT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>036</td>
<td>LESS COMMON MISSION MODULES EQUIPMENT</td>
<td>34,666</td>
<td>34,666</td>
</tr>
<tr>
<td>037</td>
<td>LESS COMMON MISSION MODULES</td>
<td>55,870</td>
<td>55,870</td>
</tr>
<tr>
<td>039</td>
<td>LESS COMMON MISSION MODULES</td>
<td>52,960</td>
<td>52,960</td>
</tr>
<tr>
<td>040</td>
<td>LESS IN-SERVICE MODERNIZATION</td>
<td>74,426</td>
<td>74,426</td>
</tr>
<tr>
<td>041</td>
<td>LESS MODERNIZATION</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LOGISTIC SUPPORT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>042</td>
<td>LOGISTIC MODERNIZATION</td>
<td>89,536</td>
<td>49,536</td>
</tr>
</tbody>
</table>

**SHIP SURVIVABILITY**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>043</td>
<td>AIR DEFENSE SURVIVABILITY</td>
<td>30,086</td>
<td>20,086</td>
</tr>
<tr>
<td>044</td>
<td>AIR DEFENSE SURVIVABILITY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>045</td>
<td>AIR DEFENSE SURVIVABILITY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>046</td>
<td>AIR DEFENSE SURVIVABILITY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>047</td>
<td>AIR DEFENSE SURVIVABILITY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>048</td>
<td>AIR DEFENSE SURVIVABILITY</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ASSET MANAGEMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>049</td>
<td>SURVIVABILITY</td>
<td>21,449</td>
<td>21,449</td>
</tr>
</tbody>
</table>

**SUPPORT ACTIVITIES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>050</td>
<td>SUPPORT ACTIVITIES</td>
<td>12,867</td>
<td>12,867</td>
</tr>
</tbody>
</table>

**TOTAL PROGRAM FUNDING**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>051</td>
<td>TOTAL PROGRAM FUNDING</td>
<td>19,003,682</td>
<td>26,180,284</td>
</tr>
</tbody>
</table>

**SEC. 4101. PROCUREMENT**

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVY</td>
<td>19,003,682</td>
<td>26,180,284</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
</tr>
<tr>
<td>052</td>
<td>SURTASS</td>
<td>30,140</td>
</tr>
<tr>
<td>054</td>
<td>ELECTRONIC WARFARE EQUIPMENT</td>
<td>240,433</td>
</tr>
<tr>
<td>055</td>
<td>RECONNAISSANCE EQUIPMENT</td>
<td>187,007</td>
</tr>
<tr>
<td>056</td>
<td>AUTOLOADED IDENTIFICATION SYSTEM (AIDS)</td>
<td>510</td>
</tr>
<tr>
<td>058</td>
<td>OTHER SHIP ELECTRONIC EQUIPMENT</td>
<td>23,892</td>
</tr>
<tr>
<td>060</td>
<td>NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)</td>
<td>10,741</td>
</tr>
<tr>
<td>061</td>
<td>ATDSL</td>
<td>36,036</td>
</tr>
<tr>
<td>062</td>
<td>NAVY COMMAND AND CONTROL SYSTEM (NCCS)</td>
<td>4,512</td>
</tr>
<tr>
<td>066</td>
<td>MINESWEEPING SYSTEM REPLACEMENT</td>
<td>31,593</td>
</tr>
<tr>
<td>064</td>
<td>SHALLOW WATER BCM</td>
<td>5,796</td>
</tr>
<tr>
<td>065</td>
<td>NAVSTAR GPS RECEIVERS (SPARE)</td>
<td>15,923</td>
</tr>
<tr>
<td>066</td>
<td>AMERICAN FORCES RADIO AND TV SERVICE</td>
<td>2,730</td>
</tr>
<tr>
<td>067</td>
<td>STRATEGIC PLATFORM SUPPORT EQUIP</td>
<td>6,889</td>
</tr>
<tr>
<td>070</td>
<td>AVIATION ELECTRONIC EQUIPMENT</td>
<td>73,882</td>
</tr>
<tr>
<td>071</td>
<td>ASMBRE ATC EQUIPMENT</td>
<td>44,613</td>
</tr>
<tr>
<td>072</td>
<td>ID SYSTEMS</td>
<td>21,239</td>
</tr>
<tr>
<td>078</td>
<td>NAVAL MISSION PLANNING SYSTEMS</td>
<td>11,796</td>
</tr>
<tr>
<td>080</td>
<td>TACTICAL/MOBILE CHI SYSTEMS</td>
<td>32,425</td>
</tr>
<tr>
<td>082</td>
<td>CANES</td>
<td>32,734</td>
</tr>
<tr>
<td>083</td>
<td>RADIAC</td>
<td>10,718</td>
</tr>
<tr>
<td>086</td>
<td>CAESAR</td>
<td>49,028</td>
</tr>
<tr>
<td>087</td>
<td>DCGS</td>
<td>6,861</td>
</tr>
<tr>
<td>088</td>
<td>CASES</td>
<td>8,081</td>
</tr>
<tr>
<td>092</td>
<td>EMR CONTROL INSTRUMENTATION</td>
<td>5,019</td>
</tr>
<tr>
<td>093</td>
<td>SUBMARINE COMMUNICATIONS</td>
<td>41,495</td>
</tr>
<tr>
<td>095</td>
<td>OTHER SHORE ELECTRONIC EQUIPMENT</td>
<td>11,790</td>
</tr>
<tr>
<td>097</td>
<td>SATCOM SYSTEMS</td>
<td>103,990</td>
</tr>
<tr>
<td>099</td>
<td>OTHER SHORE ELECTRONIC EQUIPMENT</td>
<td>15,577</td>
</tr>
<tr>
<td>101</td>
<td>SUBMARINE COMMUNICATIONS</td>
<td>29,669</td>
</tr>
<tr>
<td>103</td>
<td>SUBMARINE COMMUNICATIONS EQUIPMENT</td>
<td>86,204</td>
</tr>
<tr>
<td>105</td>
<td>SATELLITE COMMUNICATIONS</td>
<td>14,654</td>
</tr>
<tr>
<td>106</td>
<td>NAVY MULTIBAND TERMINAL (MBT)</td>
<td>69,764</td>
</tr>
<tr>
<td>107</td>
<td>SHORE COMMUNICATIONS</td>
<td>4,256</td>
</tr>
<tr>
<td>109</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>89,663</td>
</tr>
<tr>
<td>109</td>
<td>MDS INTRIN EXPLORATORY TRAM</td>
<td>961</td>
</tr>
<tr>
<td>110</td>
<td>CRYPTOLOGIC EQUIPMENT</td>
<td>11,287</td>
</tr>
<tr>
<td>111</td>
<td>OTHER SHORE ELECTRONIC EQUIPMENT</td>
<td>35,584</td>
</tr>
<tr>
<td>112</td>
<td>SONOBuoys</td>
<td>173,616</td>
</tr>
<tr>
<td>113</td>
<td>AIRCRAFT SUPPORT EQUIPMENT</td>
<td>72,110</td>
</tr>
<tr>
<td>114</td>
<td>WEAPONS RANGE SUPPORT EQUIPMENT</td>
<td>108,482</td>
</tr>
<tr>
<td>115</td>
<td>AIRCRAFT SUPPORT EQUIPMENT</td>
<td>10,900</td>
</tr>
<tr>
<td>116</td>
<td>ADVANCED ARRESTING GEAR (AAG)</td>
<td>21,137</td>
</tr>
<tr>
<td>117</td>
<td>METEOROLOGICAL EQUIPMENT</td>
<td>660</td>
</tr>
<tr>
<td>118</td>
<td>AIRBONE MIN E N T C O U N T E R M E A S U R E S</td>
<td>20,605</td>
</tr>
<tr>
<td>119</td>
<td>AVIATION SUPPORT EQUIPMENT</td>
<td>34,036</td>
</tr>
<tr>
<td>120</td>
<td>SHIP GUN SYSTEM EQUIPMENT</td>
<td>5,277</td>
</tr>
<tr>
<td>121</td>
<td>SHIP MISSILE SYSTEMS EQUIPMENT</td>
<td>272,359</td>
</tr>
<tr>
<td>122</td>
<td>TOMAHAWK SUPPORT EQUIPMENT</td>
<td>73,184</td>
</tr>
<tr>
<td>123</td>
<td>FBM SUPPORT EQUIPMENT</td>
<td>246,221</td>
</tr>
<tr>
<td>124</td>
<td>ASW SUPPORT EQUIPMENT</td>
<td>129,972</td>
</tr>
<tr>
<td>125</td>
<td>ASW SUPPORT EQUIPMENT</td>
<td>23,209</td>
</tr>
<tr>
<td>126</td>
<td>OTHER ORDNANCE SUPPORT EQUIPMENT</td>
<td>15,986</td>
</tr>
<tr>
<td>127</td>
<td>OTHER EXPENDABLE ORDNANCE</td>
<td>5,833</td>
</tr>
</tbody>
</table>
### SEC. 4101. PROCUREMENT

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>130</td>
<td>SURFACE TRAINING EQUIPMENT</td>
<td>83,022</td>
<td>83,022</td>
</tr>
<tr>
<td>131</td>
<td>CIVIL ENGINEERING SUPPORT EQUIPMENT</td>
<td>5,299</td>
<td>5,299</td>
</tr>
<tr>
<td>132</td>
<td>PASSENGER CARRYING VEHICLES</td>
<td>5,246</td>
<td>5,246</td>
</tr>
<tr>
<td>133</td>
<td>GENERAL PURPOSE TRUCKS</td>
<td>34,970</td>
<td>34,970</td>
</tr>
<tr>
<td>134</td>
<td>CONSTRUCTION &amp; MAINTENANCE EQUIPMENT</td>
<td>2,541</td>
<td>2,541</td>
</tr>
<tr>
<td>135</td>
<td>FIRE FIGHTING EQUIPMENT</td>
<td>19,609</td>
<td>19,609</td>
</tr>
<tr>
<td>136</td>
<td>TACTICAL VEHICLES</td>
<td>12,162</td>
<td>12,162</td>
</tr>
<tr>
<td>137</td>
<td>AMPHIBIOUS EQUIPMENT</td>
<td>2,748</td>
<td>2,748</td>
</tr>
<tr>
<td>138</td>
<td>POLLUTION CONTROL EQUIPMENT</td>
<td>18,684</td>
<td>18,684</td>
</tr>
<tr>
<td>139</td>
<td>ITEMS UNDER $5 MILLION</td>
<td>1,170</td>
<td>1,170</td>
</tr>
<tr>
<td>140</td>
<td>PHYSICAL SECURITY VEHICLES</td>
<td>21,797</td>
<td>21,797</td>
</tr>
<tr>
<td>141</td>
<td>FIRST DESTINATION TRANSPORTATION</td>
<td>5,572</td>
<td>5,572</td>
</tr>
<tr>
<td>142</td>
<td>SPECIAL PURPOSE SUPPLY SYSTEMS</td>
<td>482,916</td>
<td>482,916</td>
</tr>
<tr>
<td>143</td>
<td>TRAINING DEVICES</td>
<td>25,624</td>
<td>25,624</td>
</tr>
<tr>
<td>144</td>
<td>COMMAND SUPPORT EQUIPMENT</td>
<td>59,076</td>
<td>55,765</td>
</tr>
<tr>
<td>145</td>
<td>MEDICAL SUPPORT EQUIPMENT</td>
<td>4,340</td>
<td>4,340</td>
</tr>
<tr>
<td>146</td>
<td>NAVAL SUPPORT EQUIPMENT</td>
<td>2,030</td>
<td>2,030</td>
</tr>
<tr>
<td>147</td>
<td>OPERATING FORCES SUPPORT EQUIPMENT</td>
<td>7,990</td>
<td>7,990</td>
</tr>
<tr>
<td>148</td>
<td>CENSUS EQUIPMENT</td>
<td>4,010</td>
<td>4,010</td>
</tr>
<tr>
<td>149</td>
<td>ENVIRONMENTAL SUPPORT EQUIPMENT</td>
<td>23,444</td>
<td>23,444</td>
</tr>
<tr>
<td>150</td>
<td>PHYSICAL SECURITY EQUIPMENT</td>
<td>101,982</td>
<td>101,982</td>
</tr>
<tr>
<td>151</td>
<td>ENTERPRISE INFORMATION TECHNOLOGY</td>
<td>19,789</td>
<td>19,789</td>
</tr>
<tr>
<td>152</td>
<td>ITEMS UNDER $5 MILLION</td>
<td>1,170</td>
<td>1,170</td>
</tr>
<tr>
<td>153</td>
<td>OTHER</td>
<td>104,584</td>
<td>104,584</td>
</tr>
<tr>
<td>154</td>
<td>CLASSIFIED PROGRAMS</td>
<td>23,707</td>
<td>23,707</td>
</tr>
<tr>
<td>155</td>
<td>SPARES AND REPAIR PARTS</td>
<td>5,080</td>
<td>5,080</td>
</tr>
<tr>
<td>156</td>
<td>UNDISTRIBUTED</td>
<td>278,565</td>
<td>278,565</td>
</tr>
<tr>
<td>157</td>
<td>TOTAL OTHER PROCUREMENT, NAVY</td>
<td>5,518,987</td>
<td>5,518,987</td>
</tr>
</tbody>
</table>

#### PROCUREMENT, MARINE CORPS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>TRacked COMBAT VEHICLES</td>
<td>107,665</td>
<td>107,665</td>
</tr>
<tr>
<td>002</td>
<td>AMPHIBIOUS COMBAT VEHICLE 1.1</td>
<td>161,511</td>
<td>161,511</td>
</tr>
<tr>
<td>003</td>
<td>LAV VVP</td>
<td>17,244</td>
<td>17,244</td>
</tr>
</tbody>
</table>

#### ARTILLERY AND OTHER WEAPONS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>004</td>
<td>EXPEDITIONARY FIRE SUPPORT SYSTEM</td>
<td>626</td>
<td>626</td>
</tr>
<tr>
<td>005</td>
<td>155MM LIGHTWEIGHT Towed howitzer</td>
<td>20,259</td>
<td>20,259</td>
</tr>
<tr>
<td>006</td>
<td>HIGH MObility ARTILLERY ROCKET SYSTEM</td>
<td>59,943</td>
<td>59,943</td>
</tr>
<tr>
<td>007</td>
<td>WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION</td>
<td>19,816</td>
<td>19,816</td>
</tr>
</tbody>
</table>

#### OTHER SUPPORT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>008</td>
<td>MODIFICATION KITS</td>
<td>17,778</td>
<td>17,778</td>
</tr>
</tbody>
</table>

#### GUIDED MISSILES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>GROUND-BASED AIR DEFENSE</td>
<td>9,432</td>
<td>9,432</td>
</tr>
<tr>
<td>011</td>
<td>JAVELIN</td>
<td>41,159</td>
<td>41,159</td>
</tr>
<tr>
<td>012</td>
<td>FOLLOW ON TO JAVELIN</td>
<td>25,125</td>
<td>25,125</td>
</tr>
<tr>
<td>013</td>
<td>ANTI-ARMOR WEAPONS SYSTEM HEAVY (AAWS-H)</td>
<td>51,533</td>
<td>51,533</td>
</tr>
</tbody>
</table>

#### COMMAND AND CONTROL SYSTEMS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>016</td>
<td>COMMON AVIATION COMMAND AND CONTROL SYSTEM [C]</td>
<td>44,298</td>
<td>44,298</td>
</tr>
</tbody>
</table>

#### REPAIR AND TEST EQUIPMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>017</td>
<td>REPAIR AND TEST EQUIPMENT</td>
<td>33,056</td>
<td>33,056</td>
</tr>
<tr>
<td>018</td>
<td>COMMAND AND CONTROL SYSTEM (NON-TEL)</td>
<td>17,644</td>
<td>17,644</td>
</tr>
<tr>
<td>019</td>
<td>ITEMS UNDER $5 MILLION (COMM &amp; ELEC)</td>
<td>22,260</td>
<td>22,260</td>
</tr>
<tr>
<td>020</td>
<td>AIR OPERATIONS (C2 SYSTEMS)</td>
<td>18,435</td>
<td>18,435</td>
</tr>
<tr>
<td>021</td>
<td>RADAR EQUIPMENT (NON-TEL)</td>
<td>12,411</td>
<td>12,411</td>
</tr>
<tr>
<td>022</td>
<td>RADAR SYSTEMS</td>
<td>139,167</td>
<td>139,167</td>
</tr>
<tr>
<td>023</td>
<td>ELECTRONIC SUPPORT SYSTEMS</td>
<td>77,841</td>
<td>77,841</td>
</tr>
<tr>
<td>024</td>
<td>COMMON COMPUTER RESOURCES</td>
<td>98,511</td>
<td>98,511</td>
</tr>
<tr>
<td>025</td>
<td>OTHER SUPPORT (NON-TEL)</td>
<td>66,894</td>
<td>66,894</td>
</tr>
</tbody>
</table>

---

**TOTAL OTHER PROCUREMENT, NAVY:** 5,518,987

**TOTAL OTHER PROCUREMENT, MARINE CORPS:** 5,518,987
### SEC. 4101. PROCUREMENT

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>017</td>
<td>COMMAND POST SYSTEMS</td>
<td>180,912</td>
<td>200,912</td>
</tr>
<tr>
<td></td>
<td>Additional N/OTMA Systems for emerging operational requirements</td>
<td>[20,000]</td>
<td></td>
</tr>
<tr>
<td>038</td>
<td>RADIO SYSTEMS</td>
<td>34,361</td>
<td>34,361</td>
</tr>
<tr>
<td>039</td>
<td>COMM SWITCHING &amp; CONTROL SYSTEMS</td>
<td>54,815</td>
<td>54,815</td>
</tr>
<tr>
<td>040</td>
<td>COMM &amp; ELECTRIC INFRASTRUCTURE SUPPORT</td>
<td>44,455</td>
<td>44,455</td>
</tr>
</tbody>
</table>

### CLASSIFIED PROGRAMS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>040A</td>
<td>CLASSIFIED PROGRAMS</td>
<td>1,214</td>
<td>1,214</td>
</tr>
</tbody>
</table>

### ADMINISTRATIVE VEHICLES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>042</td>
<td>COMMERCIAL CARGO VEHICLES</td>
<td>66,951</td>
<td>66,951</td>
</tr>
</tbody>
</table>

### TACTICAL VEHICLES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>041</td>
<td>JOINT TRANSPORT MODIFICATIONS</td>
<td>21,924</td>
<td>21,924</td>
</tr>
<tr>
<td>044</td>
<td>JOINT LIGHT TACTICAL VEHICLE</td>
<td>23,699</td>
<td>25,699</td>
</tr>
<tr>
<td>045</td>
<td>FAMILY OF TACTICAL TRAILERS</td>
<td>1,938</td>
<td>1,938</td>
</tr>
<tr>
<td>046</td>
<td>TRAILERS</td>
<td>10,282</td>
<td>10,282</td>
</tr>
</tbody>
</table>

### ENGINEER AND OTHER EQUIPMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>048</td>
<td>ENVIRONMENTAL CONTROL EQUIPMENT ASSORTED</td>
<td>1,405</td>
<td>1,405</td>
</tr>
<tr>
<td>050</td>
<td>TACTICAL FUEL SYSTEMS</td>
<td>1,788</td>
<td>1,788</td>
</tr>
<tr>
<td>051</td>
<td>POWER EQUIPMENT ASSORTED</td>
<td>9,910</td>
<td>9,910</td>
</tr>
<tr>
<td>052</td>
<td>AMPHIBIOUS SUPPORT EQUIPMENT</td>
<td>5,830</td>
<td>5,830</td>
</tr>
<tr>
<td>053</td>
<td>EQUIPMENT</td>
<td>27,240</td>
<td>27,240</td>
</tr>
</tbody>
</table>

### MATERIALS HANDLING EQUIPMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>054</td>
<td>PHYSICAL SECURITY EQUIPMENT</td>
<td>53,477</td>
<td>53,477</td>
</tr>
</tbody>
</table>

### GENERAL PROPERTY

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>056</td>
<td>TRAINING DEVICES</td>
<td>76,185</td>
<td>85,064</td>
</tr>
<tr>
<td>058</td>
<td>FAMILY OF CONSTRUCTION EQUIPMENT</td>
<td>26,286</td>
<td>26,286</td>
</tr>
<tr>
<td>059</td>
<td>FAMILY OF INTERNALLY TRANSPORTABLE VEH (ITV)</td>
<td>1,583</td>
<td>1,583</td>
</tr>
</tbody>
</table>

### OTHER SUPPORT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>060</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>7,716</td>
<td>7,716</td>
</tr>
</tbody>
</table>

### SPARES AND REPAIR PARTS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>062</td>
<td>SPARES AND REPAIR PARTS</td>
<td>35,640</td>
<td>35,640</td>
</tr>
</tbody>
</table>

**TOTAL PROCUREMENT, MARINE CORPS**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>065</td>
<td>AIRCRAFT PROCUREMENT, AIR FORCE</td>
<td>2,064,825</td>
<td>2,127,404</td>
</tr>
</tbody>
</table>

### AIRCRAFT PROCUREMENT, AIR FORCE

#### TACTICAL FORCES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>F-35</td>
<td>4,544,694</td>
<td>5,634,694</td>
</tr>
<tr>
<td></td>
<td>Additional Tooling in Support of Unfunded Priority</td>
<td>[60,000]</td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>ADVANCED PROCUREMENT (CY)</td>
<td>780,000</td>
<td>780,000</td>
</tr>
<tr>
<td>002A</td>
<td>F-35 LIGHT ATTACK FIGHTER</td>
<td>400,000</td>
<td>400,000</td>
</tr>
<tr>
<td>009</td>
<td>ADVANCED PROCUREMENT (CY)</td>
<td>30,000</td>
<td>30,000</td>
</tr>
</tbody>
</table>

#### OTHER AIRCRAFT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>004</td>
<td>C-130J</td>
<td>57,708</td>
<td>159,708</td>
</tr>
<tr>
<td>006</td>
<td>H-60J</td>
<td>198,502</td>
<td>296,502</td>
</tr>
<tr>
<td>008</td>
<td>C-130J</td>
<td>379,373</td>
<td>479,373</td>
</tr>
<tr>
<td>009</td>
<td>ADVANCED PROCUREMENT (CY)</td>
<td>30,000</td>
<td>30,000</td>
</tr>
</tbody>
</table>

### MISSION SUPPORT AIRCRAFT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>012</td>
<td>CIVIL AIR PATROL AS</td>
<td>2,695</td>
<td>2,695</td>
</tr>
</tbody>
</table>

### OTHER AIRCRAFT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>014</td>
<td>TACTICAL BOMBERS</td>
<td>109,841</td>
<td>109,841</td>
</tr>
<tr>
<td>017</td>
<td>MQ-9</td>
<td>117,141</td>
<td>117,141</td>
</tr>
<tr>
<td>017A</td>
<td>COMPASS CALL</td>
<td>108,173</td>
<td>108,173</td>
</tr>
</tbody>
</table>

### STRATEGIC AIRCRAFT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>018</td>
<td>B-2A</td>
<td>96,727</td>
<td>96,727</td>
</tr>
<tr>
<td>019</td>
<td>B-1B</td>
<td>121,634</td>
<td>121,634</td>
</tr>
<tr>
<td>020</td>
<td>B-52</td>
<td>109,295</td>
<td>109,295</td>
</tr>
<tr>
<td>021</td>
<td>LONG RANGE INFRARED COUNTERMEASURES</td>
<td>4,046</td>
<td>4,046</td>
</tr>
</tbody>
</table>

### TACTICAL AIRCRAFT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>022</td>
<td>A-10 wings</td>
<td>6,010</td>
<td>109,010</td>
</tr>
<tr>
<td>023</td>
<td>F-15</td>
<td>417,193</td>
<td>417,193</td>
</tr>
<tr>
<td>024</td>
<td>F-16</td>
<td>203,864</td>
<td>203,864</td>
</tr>
<tr>
<td>025</td>
<td>F-22A</td>
<td>163,630</td>
<td>163,630</td>
</tr>
<tr>
<td>026</td>
<td>ADVANCED PROCUREMENT (CY)</td>
<td>30,000</td>
<td>30,000</td>
</tr>
<tr>
<td>027</td>
<td>F-35 MODIFICATIONS</td>
<td>68,270</td>
<td>68,270</td>
</tr>
<tr>
<td>028</td>
<td>INCREMENT 3.2B</td>
<td>105,756</td>
<td>105,756</td>
</tr>
<tr>
<td>030</td>
<td>KC-46A TANKER</td>
<td>6,213</td>
<td>6,213</td>
</tr>
</tbody>
</table>

### AIRLIFT AIRCRAFT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>031</td>
<td>C-5</td>
<td>36,592</td>
<td>36,592</td>
</tr>
<tr>
<td>032</td>
<td>C-5M</td>
<td>6,817</td>
<td>6,817</td>
</tr>
</tbody>
</table>

---

*November 7, 2017 (7:01 p.m.)*
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>FY 2018 Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>033</td>
<td>C–17A</td>
<td>125,522</td>
<td>125,522</td>
</tr>
<tr>
<td>034</td>
<td>C–21</td>
<td>13,253</td>
<td>13,253</td>
</tr>
<tr>
<td>035</td>
<td>C–32A</td>
<td>79,449</td>
<td>79,449</td>
</tr>
<tr>
<td>036</td>
<td>C–57A</td>
<td>15,423</td>
<td>15,423</td>
</tr>
<tr>
<td>037</td>
<td>C–130J</td>
<td>10,727</td>
<td>10,727</td>
</tr>
<tr>
<td></td>
<td>Technical adjustments</td>
<td>[–10,727]</td>
<td>[–10,727]</td>
</tr>
<tr>
<td>038</td>
<td>GLIDER MODS</td>
<td>136</td>
<td>136</td>
</tr>
<tr>
<td>039</td>
<td>T–6</td>
<td>35,706</td>
<td>35,706</td>
</tr>
<tr>
<td>040</td>
<td>T–1</td>
<td>21,477</td>
<td>21,477</td>
</tr>
<tr>
<td>041</td>
<td>T–28</td>
<td>51,641</td>
<td>51,641</td>
</tr>
<tr>
<td>042</td>
<td>OTHER AIRCRAFT</td>
<td>36,406</td>
<td>36,406</td>
</tr>
<tr>
<td>043</td>
<td>KC–10A (ATVA)</td>
<td>4,241</td>
<td>4,241</td>
</tr>
<tr>
<td>044</td>
<td>C–12</td>
<td>5,646</td>
<td>5,646</td>
</tr>
<tr>
<td>045</td>
<td>VC–25A MOD</td>
<td>52,907</td>
<td>52,907</td>
</tr>
<tr>
<td>046</td>
<td>C–40</td>
<td>31,119</td>
<td>31,119</td>
</tr>
<tr>
<td>047</td>
<td>C–130</td>
<td>66,310</td>
<td>195,310</td>
</tr>
<tr>
<td></td>
<td>C–130H NP2000 Prop</td>
<td></td>
<td>[53,000]</td>
</tr>
<tr>
<td></td>
<td>C–130H T56 1.5</td>
<td></td>
<td>[74,800]</td>
</tr>
<tr>
<td>048</td>
<td>C–130 MODS</td>
<td>171,200</td>
<td>141,957</td>
</tr>
<tr>
<td></td>
<td>Technical adjustments</td>
<td>[–10,727]</td>
<td>[–10,727]</td>
</tr>
<tr>
<td>049</td>
<td>C–155</td>
<td>69,428</td>
<td>69,428</td>
</tr>
<tr>
<td>050</td>
<td>OC–133H</td>
<td>23,091</td>
<td>23,091</td>
</tr>
<tr>
<td>051</td>
<td>COMPASS CALL MODS</td>
<td>166,541</td>
<td>162,968</td>
</tr>
<tr>
<td>052</td>
<td>UFR: Arrius Viability Program (AVP) upgrades</td>
<td>[10,000]</td>
<td>[10,000]</td>
</tr>
<tr>
<td>053</td>
<td>R–133</td>
<td>495</td>
<td>495</td>
</tr>
<tr>
<td>054</td>
<td>E–8</td>
<td>189,772</td>
<td>189,772</td>
</tr>
<tr>
<td>055</td>
<td>E–4</td>
<td>30,491</td>
<td>30,491</td>
</tr>
<tr>
<td>056</td>
<td>E–8</td>
<td>13,232</td>
<td>13,232</td>
</tr>
<tr>
<td>057</td>
<td>AIRBORNE WARNING AND CONTROL SYSTEM</td>
<td>164,746</td>
<td>164,746</td>
</tr>
<tr>
<td>058</td>
<td>FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS</td>
<td>24,716</td>
<td>24,716</td>
</tr>
<tr>
<td>059</td>
<td>H–1</td>
<td>3,730</td>
<td>3,730</td>
</tr>
<tr>
<td>060</td>
<td>H–60</td>
<td>75,989</td>
<td>92,089</td>
</tr>
<tr>
<td>061</td>
<td>Unfunded requirement</td>
<td>[16,180]</td>
<td>[16,180]</td>
</tr>
<tr>
<td>062</td>
<td>EQ–4 MODS</td>
<td>43,968</td>
<td>103,968</td>
</tr>
<tr>
<td></td>
<td>HA-ISR Payload Adapters</td>
<td>[18,300]</td>
<td>[18,300]</td>
</tr>
<tr>
<td></td>
<td>UFR: Replace EQ–4 TPT Antennas</td>
<td>[39,600]</td>
<td>[39,600]</td>
</tr>
<tr>
<td>063</td>
<td>RC–133 MODIFICATIONS</td>
<td>67,874</td>
<td>67,874</td>
</tr>
<tr>
<td>064</td>
<td>OTHER AIRCRAFT</td>
<td>59,068</td>
<td>59,068</td>
</tr>
<tr>
<td>065</td>
<td>MQ–9 MODS</td>
<td>264,740</td>
<td>264,740</td>
</tr>
<tr>
<td>066</td>
<td>CV–22 MODS</td>
<td>60,990</td>
<td>60,990</td>
</tr>
<tr>
<td>067</td>
<td>AIRCRAFT SPARES AND REPAIR PARTS</td>
<td>1,041,569</td>
<td>1,121,169</td>
</tr>
<tr>
<td></td>
<td>Additional F–35 Initial Spares</td>
<td>[79,600]</td>
<td>[79,600]</td>
</tr>
<tr>
<td>068</td>
<td>COMMON SUPPORT EQUIPMENT</td>
<td>75,846</td>
<td>75,846</td>
</tr>
<tr>
<td>069</td>
<td>OTHER PRODUCTION CHARGES</td>
<td>8,524</td>
<td>8,524</td>
</tr>
<tr>
<td>070</td>
<td>T–53A TRAINERS</td>
<td>501</td>
<td>501</td>
</tr>
<tr>
<td></td>
<td>POST PRODUCTION SUPPORT</td>
<td>447</td>
<td>447</td>
</tr>
<tr>
<td>072</td>
<td>B–2A</td>
<td>36,509</td>
<td>36,509</td>
</tr>
<tr>
<td>073</td>
<td>B–2A</td>
<td>199</td>
<td>199</td>
</tr>
<tr>
<td>074</td>
<td>C–17A</td>
<td>12,028</td>
<td>12,028</td>
</tr>
<tr>
<td>075</td>
<td>RC–133</td>
<td>29,700</td>
<td>29,700</td>
</tr>
<tr>
<td>076</td>
<td>F–15</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>077</td>
<td>F–15</td>
<td>2,524</td>
<td>2,524</td>
</tr>
<tr>
<td>078</td>
<td>F–16</td>
<td>18,051</td>
<td>5,651</td>
</tr>
<tr>
<td></td>
<td>Program reduction</td>
<td>[–12,400]</td>
<td>[–12,400]</td>
</tr>
<tr>
<td></td>
<td>C–22A</td>
<td>119,566</td>
<td>119,566</td>
</tr>
<tr>
<td>080</td>
<td>OTHER AIRCRAFT</td>
<td>85,000</td>
<td>85,000</td>
</tr>
<tr>
<td>081</td>
<td>EQ–4 POST PRODUCTION CHARGES</td>
<td>86,895</td>
<td>86,895</td>
</tr>
<tr>
<td>082</td>
<td>CV–22 MODS</td>
<td>4,500</td>
<td>4,500</td>
</tr>
<tr>
<td>083</td>
<td>INDUSTRIAL PREPAREDNESS</td>
<td>11,719</td>
<td>39,739</td>
</tr>
<tr>
<td></td>
<td>Program increase</td>
<td>[16,000]</td>
<td>[16,000]</td>
</tr>
<tr>
<td>084</td>
<td>C–130J</td>
<td>102,000</td>
<td>102,000</td>
</tr>
<tr>
<td></td>
<td>Technical adjustments for Weapon System Trainers</td>
<td>[–102,000]</td>
<td>[–102,000]</td>
</tr>
<tr>
<td>085</td>
<td>WAR CONSUMABLES</td>
<td>37,647</td>
<td>37,647</td>
</tr>
<tr>
<td>086</td>
<td>OTHER PRODUCTION CHARGES</td>
<td>1,339,160</td>
<td>1,339,160</td>
</tr>
<tr>
<td>087</td>
<td>OTHER AIRCRAFT</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td></td>
<td>CLASSIFIED PROGRAMS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>092A</td>
<td>CLASSIFIED PROGRAMS</td>
<td>53,212</td>
<td>53,212</td>
</tr>
<tr>
<td></td>
<td>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</td>
<td>15,430,849</td>
<td>18,420,649</td>
</tr>
<tr>
<td></td>
<td>MISSILE PROCUREMENT, AIR FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MISSILE REPLACEMENT EQUIPMENT—BALLISTIC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>001</td>
<td>MISSILE REPLACEMENT EQUIPMENT—BALLISTIC</td>
<td>99,098</td>
<td>99,098</td>
</tr>
<tr>
<td>002</td>
<td>TACTICAL</td>
<td>441,367</td>
<td>441,367</td>
</tr>
<tr>
<td>003</td>
<td>UFR: Long Range Anti-Ship Missile (LRASM)</td>
<td>44,728</td>
<td>44,728</td>
</tr>
<tr>
<td>004</td>
<td>MISSILE SPARES AND REPAIR PARTS</td>
<td>125,350</td>
<td>125,350</td>
</tr>
<tr>
<td>005</td>
<td>MISSILE SPARES AND REPAIR PARTS</td>
<td>304,327</td>
<td>304,327</td>
</tr>
<tr>
<td>006</td>
<td>MISSILE SPARES AND REPAIR PARTS</td>
<td>34,867</td>
<td>34,867</td>
</tr>
<tr>
<td>007</td>
<td>SMALL DIAMETER BOMB</td>
<td>266,030</td>
<td>266,030</td>
</tr>
<tr>
<td>008</td>
<td>INDUSTRIAL FACILITIES</td>
<td>926</td>
<td>926</td>
</tr>
<tr>
<td>009</td>
<td>CLASS IV</td>
<td>6,314</td>
<td>6,314</td>
</tr>
<tr>
<td>010</td>
<td>CLASS IV MODIFICATIONS</td>
<td>80,109</td>
<td>80,109</td>
</tr>
<tr>
<td>011</td>
<td>FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS</td>
<td>301</td>
<td>301</td>
</tr>
<tr>
<td>012</td>
<td>AIR LAUNCH CRUISE MISSILE (ALCM)</td>
<td>36,425</td>
<td>36,425</td>
</tr>
<tr>
<td>013</td>
<td>SMALL DIAMETER BOMB</td>
<td>14,086</td>
<td>14,086</td>
</tr>
<tr>
<td>015</td>
<td>MISSILE SPARES AND REPAIR PARTS</td>
<td>101,153</td>
<td>101,153</td>
</tr>
<tr>
<td>020</td>
<td>SPECIAL PROGRAMS</td>
<td>44,917</td>
<td>44,917</td>
</tr>
<tr>
<td>021</td>
<td>CLASSIFIED PROGRAMS</td>
<td>709,176</td>
<td>709,176</td>
</tr>
<tr>
<td></td>
<td>TOTAL MISSILE PROCUREMENT, AIR FORCE</td>
<td>2,308,182</td>
<td>2,325,182</td>
</tr>
<tr>
<td></td>
<td>SPACE PROCUREMENT, AIR FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SPACE PROGRAMS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>001</td>
<td>ADVANCED EHF</td>
<td>56,974</td>
<td>56,974</td>
</tr>
<tr>
<td>002</td>
<td>AF SATELLITE COMM SYSTEM</td>
<td>57,516</td>
<td>57,516</td>
</tr>
<tr>
<td>003</td>
<td>COUNTER-PREVENT SYSTEMS</td>
<td>28,798</td>
<td>28,798</td>
</tr>
<tr>
<td>004</td>
<td>FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS</td>
<td>146,972</td>
<td>146,972</td>
</tr>
<tr>
<td>005</td>
<td>WIDENAND (APPELL) SATELLITE (SPACE)</td>
<td>80,494</td>
<td>80,494</td>
</tr>
<tr>
<td>006</td>
<td>EPS III SPACE SATELLITE</td>
<td>85,854</td>
<td>85,854</td>
</tr>
<tr>
<td>007</td>
<td>GLOBAL POSTURE (SPACE)</td>
<td>2,198</td>
<td>2,198</td>
</tr>
<tr>
<td>008</td>
<td>SPACEBORNE EQUIPMENT (COBSER)</td>
<td>25,048</td>
<td>25,048</td>
</tr>
<tr>
<td>010</td>
<td>MILSATCOM</td>
<td>33,033</td>
<td>33,033</td>
</tr>
<tr>
<td>011</td>
<td>EVOLVED EXPENDABLE LAUNCH CAPABILITY</td>
<td>957,420</td>
<td>957,420</td>
</tr>
<tr>
<td>012</td>
<td>EVOLVED EXPENDABLE LAUNCH VEH (SPACE)</td>
<td>606,486</td>
<td>606,486</td>
</tr>
<tr>
<td>013</td>
<td>SHIP HIGH (SPACE)</td>
<td>849,009</td>
<td>1,054,809</td>
</tr>
<tr>
<td></td>
<td>UFR: SRDIS equipment</td>
<td>75,800</td>
<td>75,800</td>
</tr>
<tr>
<td>014</td>
<td>ADVANCED PROCUREMENT (CY)</td>
<td>132,420</td>
<td>132,420</td>
</tr>
<tr>
<td>015</td>
<td>NUDIT DETECTION SYSTEM</td>
<td>5,670</td>
<td>5,670</td>
</tr>
<tr>
<td>016</td>
<td>SPACE MOTION</td>
<td>37,201</td>
<td>37,201</td>
</tr>
<tr>
<td>017</td>
<td>SPACE/LIDAR RANGE SYSTEM SPACE</td>
<td>113,874</td>
<td>113,874</td>
</tr>
<tr>
<td>018</td>
<td>INITIAL SPARES/REPAIR PARTS</td>
<td>16,709</td>
<td>16,709</td>
</tr>
<tr>
<td></td>
<td>TOTAL SPACE PROCUREMENT, AIR FORCE</td>
<td>3,370,775</td>
<td>3,444,575</td>
</tr>
<tr>
<td></td>
<td>PROCUREMENT OF AMMUNITION, AIR FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ROCKETS</td>
<td>147,454</td>
<td>147,454</td>
</tr>
<tr>
<td>001</td>
<td>CARTRIDGES</td>
<td>161,744</td>
<td>161,744</td>
</tr>
<tr>
<td>002</td>
<td>BOMBS</td>
<td>28,909</td>
<td>28,909</td>
</tr>
<tr>
<td>003</td>
<td>GENERAL PURPOSE BOMBS</td>
<td>329,501</td>
<td>329,501</td>
</tr>
<tr>
<td>004</td>
<td>MASSIVE ORDNANCE PENETRATOR (MOP)</td>
<td>38,382</td>
<td>38,382</td>
</tr>
<tr>
<td>005</td>
<td>JOINT DIRECT ATTACK MUNITION</td>
<td>319,525</td>
<td>319,525</td>
</tr>
<tr>
<td>006</td>
<td>B61</td>
<td>77,068</td>
<td>77,068</td>
</tr>
<tr>
<td>008</td>
<td>ADVANCED PROCUREMENT (CY)</td>
<td>11,239</td>
<td>11,239</td>
</tr>
<tr>
<td></td>
<td>OTHER ITEMS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>CAS/PAD</td>
<td>53,469</td>
<td>53,469</td>
</tr>
<tr>
<td>010</td>
<td>EXPLOSIVE ORDNANCE DISPOSAL (EOD)</td>
<td>5,921</td>
<td>5,921</td>
</tr>
<tr>
<td>011</td>
<td>SPARES AND REPAIR PARTS</td>
<td>678</td>
<td>678</td>
</tr>
<tr>
<td>012</td>
<td>MODIFICATIONS</td>
<td>1,409</td>
<td>1,409</td>
</tr>
<tr>
<td>013</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>5,047</td>
<td>5,047</td>
</tr>
<tr>
<td>015</td>
<td>FLARES</td>
<td>143,983</td>
<td>143,983</td>
</tr>
<tr>
<td>016</td>
<td>FUZES</td>
<td>24,862</td>
<td>24,862</td>
</tr>
<tr>
<td>017</td>
<td>SMALL ARMS</td>
<td>29,611</td>
<td>29,611</td>
</tr>
<tr>
<td></td>
<td>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE</td>
<td>1,376,602</td>
<td>1,376,602</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>001</td>
<td>PASSENGER CARRYING VEHICLES</td>
<td>15,631</td>
<td>15,631</td>
</tr>
<tr>
<td>002</td>
<td>MEDIUM TACTICAL VEHICLES</td>
<td>54,607</td>
<td>67,907</td>
</tr>
<tr>
<td>003</td>
<td>CAF VEHICLES</td>
<td>1,031</td>
<td>1,911</td>
</tr>
<tr>
<td>004</td>
<td>CARGO AND UTILITY VEHICLES</td>
<td>28,670</td>
<td>78,020</td>
</tr>
<tr>
<td>005</td>
<td>SECURITY AND TACTICAL VEHICLES</td>
<td>59,288</td>
<td>69,362</td>
</tr>
<tr>
<td>006</td>
<td>SPECIAL PURPOSE VEHICLES</td>
<td>19,784</td>
<td>30,391</td>
</tr>
<tr>
<td>007</td>
<td>FIRE FIGHTING EQUIPMENT</td>
<td>14,768</td>
<td>14,768</td>
</tr>
<tr>
<td>008</td>
<td>MATERIALS HANDLING EQUIPMENT</td>
<td>13,561</td>
<td>59,089</td>
</tr>
<tr>
<td>009</td>
<td>RUNWAY SNOW REMOVAL &amp; CLEANING EQUIPMENT</td>
<td>3,429</td>
<td>11,550</td>
</tr>
<tr>
<td>010</td>
<td>BASE MAINTENANCE SUPPORT EQUIPMENT</td>
<td>60,761</td>
<td>73,305</td>
</tr>
<tr>
<td>011</td>
<td>COMM SECURITY EQUIPMENT</td>
<td>15,000</td>
<td>123,000</td>
</tr>
<tr>
<td>012</td>
<td>INTERNATIONAL INTEL MICROPROCESSORS</td>
<td>22,315</td>
<td>22,315</td>
</tr>
<tr>
<td>014</td>
<td>INTELLIGENCE TRAINING EQUIPMENT</td>
<td>5,892</td>
<td>5,892</td>
</tr>
<tr>
<td>015</td>
<td>INTELLIGENCE COMM EQUIPMENT</td>
<td>34,072</td>
<td>34,072</td>
</tr>
<tr>
<td>016</td>
<td>AIR TRAFFIC CONTROL &amp; LANDING SYS</td>
<td>66,141</td>
<td>104,843</td>
</tr>
<tr>
<td>017</td>
<td>NATIONAL AIRSPACE SYSTEM</td>
<td>12,641</td>
<td>12,641</td>
</tr>
<tr>
<td>018</td>
<td>BATTLE CONTROL SYSTEM</td>
<td>6,415</td>
<td>7,915</td>
</tr>
<tr>
<td>019</td>
<td>THREAT AIR CONTROL SYS IMPROVEMENTS</td>
<td>23,231</td>
<td>23,231</td>
</tr>
<tr>
<td>020</td>
<td>WEATHER OBSERVATION FORECAST</td>
<td>40,116</td>
<td>40,116</td>
</tr>
<tr>
<td>021</td>
<td>STRATEGIC COMMAND AND CONTROL</td>
<td>72,510</td>
<td>72,510</td>
</tr>
<tr>
<td>022</td>
<td>CHEYENNE MOUNTAIN COMPLEX</td>
<td>9,864</td>
<td>9,844</td>
</tr>
<tr>
<td>023</td>
<td>MISSION PLANNING SYSTEM</td>
<td>15,486</td>
<td>15,486</td>
</tr>
<tr>
<td>025</td>
<td>INTEGRATED STRAT PLAN &amp; ANALYSIS NET (ISPAN)</td>
<td>9,187</td>
<td>9,187</td>
</tr>
<tr>
<td>026</td>
<td>GENERAL INFORMATION TECHNOLOGY</td>
<td>51,826</td>
<td>51,826</td>
</tr>
<tr>
<td>027</td>
<td>AF GLOBAL COMMAND &amp; CONTROL SYS</td>
<td>3,634</td>
<td>3,634</td>
</tr>
<tr>
<td>028</td>
<td>MOBILITY COMMAND AND CONTROL</td>
<td>10,083</td>
<td>10,083</td>
</tr>
<tr>
<td>029</td>
<td>AIR FORCE PHYSICAL SECURITY SYSTEM</td>
<td>201,866</td>
<td>219,866</td>
</tr>
<tr>
<td>030</td>
<td>UNFINISHED REQUIREMENTS—Intrusion Detection Systems</td>
<td>115,198</td>
<td>115,198</td>
</tr>
<tr>
<td>031</td>
<td>MINIMUM ESSENTIAL EMERGENCY COMM</td>
<td>292</td>
<td>292</td>
</tr>
<tr>
<td>032</td>
<td>WIDE AREA SURVEILLANCE (WAS)</td>
<td>62,087</td>
<td>62,087</td>
</tr>
<tr>
<td>033</td>
<td>C2 COUNTERMEASURES</td>
<td>37,764</td>
<td>37,764</td>
</tr>
<tr>
<td>034</td>
<td>C2 AF FOS</td>
<td>2,826</td>
<td>2,826</td>
</tr>
<tr>
<td>035</td>
<td>DEFENSE ENTERPRISE ACCOUNTING AND MOINT SYSTEM</td>
<td>1,514</td>
<td>1,514</td>
</tr>
<tr>
<td>036</td>
<td>THEATER BATTLE MBT C2 SYSTEM</td>
<td>9,864</td>
<td>9,864</td>
</tr>
<tr>
<td>037</td>
<td>AIR &amp; SPACE OPERATIONS C2-SPAN SY</td>
<td>25,533</td>
<td>25,533</td>
</tr>
<tr>
<td>038</td>
<td>BASE FORCE COMMUNICATIONS</td>
<td>28,539</td>
<td>28,539</td>
</tr>
<tr>
<td>041</td>
<td>AFNET</td>
<td>160,820</td>
<td>160,820</td>
</tr>
<tr>
<td>042</td>
<td>JOINT COMMUNICATIONS SUPPORT ELEMENT (JCS)</td>
<td>5,145</td>
<td>5,145</td>
</tr>
<tr>
<td>043</td>
<td>USCENTCOM</td>
<td>18,719</td>
<td>18,719</td>
</tr>
<tr>
<td>044</td>
<td>ORGANIZATION AND BASE</td>
<td>123,206</td>
<td>123,206</td>
</tr>
<tr>
<td>045</td>
<td>TACTICAL-C EQUIPMENT</td>
<td>3,004</td>
<td>3,004</td>
</tr>
<tr>
<td>046</td>
<td>RADIO EQUIPMENT</td>
<td>15,736</td>
<td>15,736</td>
</tr>
<tr>
<td>047</td>
<td>CUSTOMIZED EQUIPMENT</td>
<td>5,480</td>
<td>5,480</td>
</tr>
<tr>
<td>048</td>
<td>BASE COMM INFRASTRUCTURE</td>
<td>19,784</td>
<td>30,391</td>
</tr>
<tr>
<td>051</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>52,964</td>
<td>116,864</td>
</tr>
</tbody>
</table>

**Other Procurement, Air Force**

- **Passenger Carrying Vehicles**: $15,631
- **Medium Tactical Vehicles**: $54,607
- **Caf Vehicles**: $1,031
- **Cargo and Utility Vehicles**: $28,670
- **Security and Tactical Vehicles**: $59,288
- **Special Purpose Vehicles**: $19,784
- **Fire Fighting Equipment**: $14,768
- **Materials Handling Equipment**: $13,561
- **Base Maintenance Support Equipment**: $3,429
- **Comm Security Equipment**: $15,000
- **International Intel Microprocessors**: $22,315
- **Intelligence Training Equipment**: $5,892
- **Intelligence Comm Equipment**: $34,072
- **Air Traffic Control & Landing Sys**: $66,141
- **National Airspace System**: $12,641
- **Battle Control System**: $6,415
- **Threat Air Control Sys Improvements**: $23,231
- **Weather Observation Forecast**: $40,116
- **Strategic Command and Control**: $72,510
- **Cheyenne Mountain Complex**: $9,864
- **Mission Planning Systems**: $15,486
- **Integrated Strat Plan & Analysis Net (ISPAN)**: $9,187

**Intelligence Programs**

- **Intelligence Programs**: $22,315
- **Intelligence Training**: $5,892
- **Intelligence Comm Equipment**: $34,072

**Electronics Programs**

- **Air Traffic Control & Landing Sys**: $66,141
- **National Airspace System**: $12,641
- **Battle Control System**: $6,415
- **Threat Air Control Sys Improvements**: $23,231
- **Weather Observation Forecast**: $40,116
- **Strategic Command and Control**: $72,510
- **Cheyenne Mountain Complex**: $9,864
- **Mission Planning Systems**: $15,486
- **Integrated Strategic Plan & Analysis Net (ISPAN)**: $9,187

**SPACEL COMM-ELECTRONICS PROJECTS**

- **General Information Technology**: $51,826
- **AF Global Command & Control Sys**: $3,634
- **Mobility Command and Control**: $10,083
- **Air Force Physical Security System**: $201,866
- **Minimum Essential Emergency Communication**: $292
- **Wide Area Surveillance (WAS)**: $62,087
- **C2 Countermeasures**: $37,764
- **C2 AF FOS**: $2,826
- **Defense Enterprise Accounting and MOINT System**: $1,514
- **Theater Battle MBT C2 System**: $9,864
- **Air & Space Operations C2-SPAN SYS**: $25,533
- **Base Force Communications**: $28,539
- **AFNET**: $160,820
- **Joint Communications Support Element (JCS)**: $5,145
- **USCENTCOM**: $18,719
- **Organization and Base**: $123,206
- **Tactical-C Equipment**: $3,004
- **Radio Equipment**: $15,736
- **Customized Equipment**: $5,480
- **Base Comm Infrastructure**: $19,784

**Modifications**

- **Comm Equipment**: $70,798
- **Personal Safety & Rescue Equipment**: $52,964

**Other Procurement, Air Force**

- **Fire Fighting Equipment**: $14,768
- **Materials Handling Equipment**: $13,561
- **Base Maintenance Support**: $3,429
- **Comm Security Equipment**: $15,000
- **International Intel Microprocessors**: $22,315
- **Intelligence Training Equipment**: $5,892
- **Intelligence Comm Equipment**: $34,072
- **Air Traffic Control & Landing Sys**: $66,141
- **National Airspace System**: $12,641
- **Battle Control System**: $6,415
- **Threat Air Control Sys Improvements**: $23,231
- **Weather Observation Forecast**: $40,116
- **Strategic Command and Control**: $72,510
- **Cheyenne Mountain Complex**: $9,864
- **Mission Planning Systems**: $15,486
- **Integrated Strategic Plan & Analysis Net (ISPAN)**: $9,187
- **General Information Technology**: $51,826
- **AF Global Command & Control Sys**: $3,634
- **Mobility Command and Control**: $10,083
- **Air Force Physical Security System**: $201,866
- **Minimum Essential Emergency Communication**: $292
- **Wide Area Surveillance (WAS)**: $62,087
- **C2 Countermeasures**: $37,764
- **C2 AF FOS**: $2,826
- **Defense Enterprise Accounting and MOINT System**: $1,514
- **Theater Battle MBT C2 System**: $9,864
- **Air & Space Operations C2-SPAN SYS**: $25,533
- **Base Force Communications**: $28,539
- **AFNET**: $160,820
- **Joint Communications Support Element (JCS)**: $5,145
- **USCENTCOM**: $18,719
- **Organization and Base**: $123,206
- **Tactical-C Equipment**: $3,004
- **Radio Equipment**: $15,736
- **Customized Equipment**: $5,480
- **Base Comm Infrastructure**: $19,784
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Unfunded requirements</td>
<td></td>
<td>4,000</td>
</tr>
<tr>
<td>052</td>
<td>DEPOT PLANT+MTRLS HANDLING EQ</td>
<td>12,363</td>
<td>12,363</td>
</tr>
<tr>
<td>053</td>
<td>BASE SUPPORT EQUIPMENT</td>
<td>10,383</td>
<td>10,383</td>
</tr>
<tr>
<td>054</td>
<td>ENGINEERING AND R&amp;D EQUIPMENT</td>
<td>15,935</td>
<td>20,018</td>
</tr>
<tr>
<td>055</td>
<td>MOBILITY EQUIPMENT</td>
<td>28,768</td>
<td>28,768</td>
</tr>
<tr>
<td>056</td>
<td>CLASSIFIED PROGRAMS</td>
<td>25,965</td>
<td>25,965</td>
</tr>
<tr>
<td>057</td>
<td>MAJOR EQUIPMENT</td>
<td>1,073</td>
<td>1,073</td>
</tr>
<tr>
<td>058</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td></td>
<td>8,470</td>
</tr>
<tr>
<td>059</td>
<td>SPECIAL UPDATE PROGRAM</td>
<td>6,375</td>
<td>9,541</td>
</tr>
<tr>
<td>061</td>
<td>CLASSIFIED PROGRAMS</td>
<td>28,765</td>
<td>28,765</td>
</tr>
<tr>
<td>062A</td>
<td>SPARES AND REPAIR PARTS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### SEC. 4101. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>049</td>
<td>ROTARY WING UPGRADES AND SUSTAINMENT</td>
<td>158,968</td>
<td>145,488</td>
</tr>
<tr>
<td>050</td>
<td>UNMANNED AIR</td>
<td>13,295</td>
<td>13,295</td>
</tr>
<tr>
<td>051</td>
<td>NON-STANDARD AVIATION</td>
<td>4,892</td>
<td>4,892</td>
</tr>
<tr>
<td>052</td>
<td>U-28</td>
<td>5,769</td>
<td>5,769</td>
</tr>
<tr>
<td>053</td>
<td>M–47 CHINOOK</td>
<td>87,345</td>
<td>87,345</td>
</tr>
<tr>
<td>055</td>
<td>CV-22 MODIFICATION</td>
<td>42,178</td>
<td>42,178</td>
</tr>
<tr>
<td>057</td>
<td>MQ-9 UNMANNED AERIAL VEHICLE</td>
<td>21,660</td>
<td>21,660</td>
</tr>
<tr>
<td>059</td>
<td>PRECISION STRIKE PACKAGE</td>
<td>229,728</td>
<td>229,728</td>
</tr>
<tr>
<td>060</td>
<td>AC–130U</td>
<td>179,934</td>
<td>179,934</td>
</tr>
<tr>
<td>061</td>
<td>C–130 MODIFICATIONS</td>
<td>28,039</td>
<td>28,039</td>
</tr>
<tr>
<td>062</td>
<td>UNDERWATER SYSTEMS</td>
<td>92,606</td>
<td>79,806</td>
</tr>
<tr>
<td>063</td>
<td>ARMORED TRACTOR SERIES</td>
<td>112,331</td>
<td>112,331</td>
</tr>
<tr>
<td>064</td>
<td>INTELLIGENCE SYSTEMS</td>
<td>82,538</td>
<td>82,538</td>
</tr>
<tr>
<td>065</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>11,042</td>
<td>11,042</td>
</tr>
<tr>
<td>066</td>
<td>OTHER ITEMS &lt;5M</td>
<td>54,592</td>
<td>54,592</td>
</tr>
<tr>
<td>067</td>
<td>COMBATANT CRAFT SYSTEMS</td>
<td>23,272</td>
<td>23,272</td>
</tr>
<tr>
<td>068</td>
<td>SPECIAL PROGRAMS</td>
<td>16,033</td>
<td>16,033</td>
</tr>
<tr>
<td>069</td>
<td>TACTICAL VEHICLES</td>
<td>63,304</td>
<td>63,304</td>
</tr>
<tr>
<td>070</td>
<td>WARRIOR SYSTEMS &lt;5M</td>
<td>252,070</td>
<td>252,070</td>
</tr>
<tr>
<td>071</td>
<td>COMBAT MISSION REQUIREMENTS</td>
<td>19,570</td>
<td>19,570</td>
</tr>
<tr>
<td>072</td>
<td>GLOBAL VIDEO SURVEILLANCE ACTIVITIES</td>
<td>5,549</td>
<td>5,549</td>
</tr>
<tr>
<td>073</td>
<td>OPERATIONAL ENHANCEMENTS INTELLIGENCE</td>
<td>17,953</td>
<td>17,953</td>
</tr>
<tr>
<td>075</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>241,429</td>
<td>254,679</td>
</tr>
<tr>
<td>076</td>
<td>CB PROTECTION &amp; HAZARD MITIGATION</td>
<td>135,031</td>
<td>135,031</td>
</tr>
<tr>
<td>077</td>
<td>CB PROTECTION &amp; HAZARD MITIGATION</td>
<td>135,031</td>
<td>135,031</td>
</tr>
<tr>
<td>078</td>
<td>CB PROTECTION &amp; HAZARD MITIGATION</td>
<td>99,795</td>
<td>0</td>
</tr>
<tr>
<td>079</td>
<td>CB PROTECTION &amp; HAZARD MITIGATION</td>
<td>250,080</td>
<td>250,080</td>
</tr>
<tr>
<td>080</td>
<td>CB PROTECTION &amp; HAZARD MITIGATION</td>
<td>250,080</td>
<td>250,080</td>
</tr>
<tr>
<td>081</td>
<td>CB PROTECTION &amp; HAZARD MITIGATION</td>
<td>250,080</td>
<td>250,080</td>
</tr>
<tr>
<td>082</td>
<td>CB PROTECTION &amp; HAZARD MITIGATION</td>
<td>250,080</td>
<td>250,080</td>
</tr>
<tr>
<td>083</td>
<td>CB PROTECTION &amp; HAZARD MITIGATION</td>
<td>250,080</td>
<td>250,080</td>
</tr>
</tbody>
</table>

#### TOTAL PROCUREMENT, DEFENSE-WIDE

6,074,558

### TOTAL JOINT URGENT OPERATIONAL NEEDS FUND

99,795

### TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT UNDISTRIBUTED

250,000

### TOTAL PROCUREMENT

116,486,908

### 1 SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

#### OPERATIONS.

#### SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>004</td>
<td>MQ-1 UAV</td>
<td>87,300</td>
<td>87,300</td>
</tr>
<tr>
<td>006</td>
<td>AH–64 APACHE BLOCK III REMAN</td>
<td>39,040</td>
<td>39,040</td>
</tr>
<tr>
<td>015</td>
<td>MQ-1 PAYLOAD (MIP)</td>
<td>41,400</td>
<td>41,400</td>
</tr>
<tr>
<td>018</td>
<td>MULT SENSOR ABN EDOV (MIP)</td>
<td>35,475</td>
<td>35,475</td>
</tr>
<tr>
<td>023</td>
<td>EMARSS EMARDS MODS (MIP)</td>
<td>36,000</td>
<td>36,000</td>
</tr>
<tr>
<td>027</td>
<td>COMM X-NM SURVEILLANCE</td>
<td>4,892</td>
<td>4,892</td>
</tr>
<tr>
<td>031</td>
<td>CWRS</td>
<td>139,742</td>
<td>139,742</td>
</tr>
<tr>
<td>034</td>
<td>COMMON INFRARED COUNTERMEASURES (CICM)</td>
<td>45,440</td>
<td>45,440</td>
</tr>
<tr>
<td>035</td>
<td>TOTAL AIRCRAFT PROCUREMENT, ARMY</td>
<td>424,686</td>
<td>424,686</td>
</tr>
</tbody>
</table>

#### MISSILE PROCUREMENT, ARMY

#### AIR-TO-SURFACE MISSILE SYSTEM
### SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>005</td>
<td>HELIFIRE SYS SUMMARY</td>
<td>278,073</td>
<td>278,073</td>
</tr>
<tr>
<td>008</td>
<td>ANTI-TANK/ASSAULT MISSILE SYS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>JAVELIN (JAV-3e) SYSTEM SUMMARY</td>
<td>8,112</td>
<td>8,112</td>
</tr>
<tr>
<td>011</td>
<td>TOW 2 SYSTEM SUMMARY</td>
<td>8,987</td>
<td>8,987</td>
</tr>
<tr>
<td>013</td>
<td>GUIDED MISSILE ROCKET (GMLRS)</td>
<td>191,522</td>
<td>191,522</td>
</tr>
<tr>
<td>014</td>
<td>HIGH M0DILITY ARTILLERY ROCKET SYSTEM (HIMARS)</td>
<td>41,000</td>
<td>41,000</td>
</tr>
<tr>
<td>016</td>
<td>LIGHT MINIATURE MILITARY ROCKET SYSTEM (LMARR)</td>
<td>8,669</td>
<td>8,669</td>
</tr>
<tr>
<td>018</td>
<td>MODIFICATIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>019</td>
<td>STINGER MODS</td>
<td>28,000</td>
<td>28,000</td>
</tr>
<tr>
<td></td>
<td>TOTAL MISSILE PROCUREMENT, ARMY</td>
<td>559,283</td>
<td>559,283</td>
</tr>
<tr>
<td></td>
<td>PRODUCTION OF W&amp;TCV, ARMY</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TRACKED COMBAT VEHICLES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>001</td>
<td>BRADLEY PROGRAM</td>
<td>200,000</td>
<td>200,000</td>
</tr>
<tr>
<td>004</td>
<td>ARMORED MULTI PURPOSE VEHICLE (AMPV)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>005</td>
<td>TOW 30MM, ALL TYPES</td>
<td>1,165</td>
<td>1,165</td>
</tr>
<tr>
<td>007</td>
<td>MORTAR, 30MM, ALL TYPES</td>
<td>35,000</td>
<td>35,000</td>
</tr>
<tr>
<td></td>
<td>ARTILLERY AMMUNITION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>015</td>
<td>PROV 155MM EXTENDED RANGE MSE</td>
<td>23,234</td>
<td>23,234</td>
</tr>
<tr>
<td>016</td>
<td>ARTILLERY PROPPELLANTS, FUELS AND PRIMERS, ALL</td>
<td>20,023</td>
<td>20,023</td>
</tr>
<tr>
<td></td>
<td>MINES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>017</td>
<td>MINES &amp; CLEARING CHARGES, ALL TYPES</td>
<td>11,615</td>
<td>11,615</td>
</tr>
<tr>
<td>021</td>
<td>ROCKETS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>ROCKETS, HYDRA 70, ALL TYPES</td>
<td>75,820</td>
<td>75,820</td>
</tr>
<tr>
<td></td>
<td>OTHER AMMUNITION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>024</td>
<td>ROCKETS, ALL TYPES</td>
<td>3,013</td>
<td>3,013</td>
</tr>
<tr>
<td></td>
<td>TOTAL PROCUREMENT OF AMMUNITION, ARMY</td>
<td>193,436</td>
<td>193,436</td>
</tr>
<tr>
<td></td>
<td>OTHER PROCUREMENT, ARMY</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TACTICAL VEHICLES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)</td>
<td>25,874</td>
<td>25,874</td>
</tr>
<tr>
<td>012</td>
<td>HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV</td>
<td>38,628</td>
<td>38,628</td>
</tr>
<tr>
<td>014</td>
<td>MODIFICATION OF IN SVF EQUIP</td>
<td>64,647</td>
<td>64,647</td>
</tr>
<tr>
<td>015</td>
<td>MINES-PROTECT ANTI-AMPHIBIAN PROTECTION (MAAP) MODS</td>
<td>17,500</td>
<td>17,500</td>
</tr>
<tr>
<td></td>
<td>COMM—JOINT COMMUNICATIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>SIGNAL MODERNIZATION PROGRAM</td>
<td>4,900</td>
<td>4,900</td>
</tr>
<tr>
<td></td>
<td>COMM—COMBAT COMMUNICATIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>041</td>
<td>TRACTOR RIDE</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td></td>
<td>COMM—BASE COMMUNICATIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>062</td>
<td>INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM</td>
<td>2,500</td>
<td>2,500</td>
</tr>
<tr>
<td></td>
<td>ELECT EQUIP—TACT INTR REL ACT (TIARA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>068</td>
<td>DGCS-A (MIP)</td>
<td>39,515</td>
<td>39,515</td>
</tr>
<tr>
<td>070</td>
<td>TRAHAN (MIP)</td>
<td>21,310</td>
<td>21,310</td>
</tr>
<tr>
<td>073</td>
<td>MOD OF IN SVF EQUIP (INTEL SPT) (MIP)</td>
<td>2,947</td>
<td>2,947</td>
</tr>
<tr>
<td>072</td>
<td>CI HUMINT AUTO REPORTING AND COLLECTIVE (MIP)</td>
<td>14,460</td>
<td>14,460</td>
</tr>
<tr>
<td>075</td>
<td>BIOMETRIC TACTICAL COLLECTION DEVICES (MIP)</td>
<td>5,180</td>
<td>5,180</td>
</tr>
<tr>
<td></td>
<td>ELECT EQUIP—ELECTRONIC WARFARE (EW)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>FAMILY OF PERSISTENT SATELLITE CAPABILITIES</td>
<td>16,935</td>
<td>16,935</td>
</tr>
<tr>
<td>081</td>
<td>COUNTERTELEMETRY SECURITY COUNTERMEASURES</td>
<td>18,974</td>
<td>18,974</td>
</tr>
<tr>
<td></td>
<td>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>084</td>
<td>NIGHT VISION DEVICES</td>
<td>377</td>
<td>377</td>
</tr>
<tr>
<td>085</td>
<td>SHM DUAL TACTICAL OPTICAL RIFLE MOUNTED MDS</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>086</td>
<td>DIRECT FIRE PROTECTION FAMILY OF SYSTEMS</td>
<td>57,500</td>
<td>57,500</td>
</tr>
<tr>
<td>088</td>
<td>MOD OF IN SVF EQUIP (LLR)</td>
<td>3,974</td>
<td>3,974</td>
</tr>
<tr>
<td>090</td>
<td>MODULAR FIRE CONTROL SYSTEM</td>
<td>2,947</td>
<td>2,947</td>
</tr>
<tr>
<td></td>
<td>ELECT EQUIP—TACTICAL C2 SYSTEMS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>098</td>
<td>AIR &amp; SPACE DEFENSE PLANNING &amp; CONTROL SYS</td>
<td>9,100</td>
<td>9,100</td>
</tr>
<tr>
<td></td>
<td>CHEMICAL DEFENSIVE EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>119</td>
<td>BASE DEFENSE SYSTEMS (BDS)</td>
<td>3,726</td>
<td>3,726</td>
</tr>
<tr>
<td></td>
<td>COMBAT SERVICE SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>116</td>
<td>HEATERS AND ECU'S</td>
<td>270</td>
<td>270</td>
</tr>
<tr>
<td>117</td>
<td>FIELD FEEDING EQUIPMENT</td>
<td>145</td>
<td>145</td>
</tr>
<tr>
<td>118</td>
<td>CARGO/AIRLINE, IML &amp; PERSONNEL PARACHUTE SYSTEM</td>
<td>1,980</td>
<td>1,980</td>
</tr>
<tr>
<td></td>
<td>MEDICAL EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>148</td>
<td>COMBAT SUPPORT MEDICAL</td>
<td>25,980</td>
<td>25,980</td>
</tr>
<tr>
<td></td>
<td>MAINTENANCE EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>149</td>
<td>MOBILE MAINTENANCE EQUIPMENT SYSTEMS</td>
<td>1,124</td>
<td>1,124</td>
</tr>
<tr>
<td>150</td>
<td>CONSTRUCTION EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>151</td>
<td>HYDRAULIC EXCAVATOR</td>
<td>3,850</td>
<td>3,850</td>
</tr>
<tr>
<td>152</td>
<td>HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)</td>
<td>9,092</td>
<td>9,092</td>
</tr>
<tr>
<td>153</td>
<td>GENERATORS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>154</td>
<td>GENERATORS AND ASSOCIATED EQUIP</td>
<td>569</td>
<td>569</td>
</tr>
<tr>
<td>155</td>
<td>TRAINING EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>156</td>
<td>TRAINING DEVICES, NONSYSTEM</td>
<td>2,700</td>
<td>2,700</td>
</tr>
<tr>
<td>157</td>
<td>TEST MEASURE AND DIG EQUIPMENT (TMD)</td>
<td>7,500</td>
<td>7,500</td>
</tr>
<tr>
<td>158</td>
<td>OTHER SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>159</td>
<td>RAPID EQUIPPING-SOLDIER SUPPORT EQUIPMENT</td>
<td>8,500</td>
<td>8,500</td>
</tr>
<tr>
<td></td>
<td>TOTAL OTHER PROCUREMENT, ARMY</td>
<td>405,575</td>
<td>405,575</td>
</tr>
<tr>
<td></td>
<td><strong>JOINT IMPROVISED-THREAT DEFEAT FUND</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NETWORK ATTACK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>RAPID ACQUISITION AND THREAT RESPONSE</td>
<td>483,058</td>
<td>483,058</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL JOINT IMPROVISED-THREAT DEFEAT FUND</strong></td>
<td>483,058</td>
<td>483,058</td>
</tr>
<tr>
<td>161</td>
<td>AIRCRAFT PROCUREMENT, NAVY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>162</td>
<td>OTHER AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>163</td>
<td>STUAS/LQ UAV</td>
<td>3,900</td>
<td>3,900</td>
</tr>
<tr>
<td>164</td>
<td>MODIFICATION OF AIRCRAFT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>165</td>
<td>H-53 SERIES</td>
<td>950</td>
<td>950</td>
</tr>
<tr>
<td>166</td>
<td>S-40 SERIES</td>
<td>15,382</td>
<td>15,382</td>
</tr>
<tr>
<td>167</td>
<td>EP-3 SERIES</td>
<td>7,220</td>
<td>7,220</td>
</tr>
<tr>
<td>168</td>
<td>SPECIAL PROJECT AIRCRAFT</td>
<td>19,655</td>
<td>19,655</td>
</tr>
<tr>
<td>169</td>
<td>COMMON EQM EQUIPMENT</td>
<td>75,530</td>
<td>75,530</td>
</tr>
<tr>
<td>170</td>
<td>QHC</td>
<td>15,150</td>
<td>15,150</td>
</tr>
<tr>
<td>171</td>
<td>AIRCRAFT SPARES AND REPAIR PARTS</td>
<td>18,850</td>
<td>18,850</td>
</tr>
<tr>
<td>172</td>
<td>AIRCRAFT SUPPORT EQUIP &amp; FACILITIES</td>
<td>463</td>
<td>463</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL AIRCRAFT PROCUREMENT, NAVY</strong></td>
<td>157,300</td>
<td>157,300</td>
</tr>
<tr>
<td>173</td>
<td>WEAPONS PROCUREMENT, NAVY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>174</td>
<td>STRATEGIC MISSILES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>175</td>
<td>TOMAHAWK</td>
<td>100,866</td>
<td>100,866</td>
</tr>
<tr>
<td>176</td>
<td>TACTICAL MISSILES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>177</td>
<td>STANDARD MISSILE</td>
<td>35,288</td>
<td>35,288</td>
</tr>
<tr>
<td>178</td>
<td>HELIFIRE</td>
<td>8,771</td>
<td>8,771</td>
</tr>
<tr>
<td>179</td>
<td>LANCE MAVERICK</td>
<td>5,040</td>
<td>5,040</td>
</tr>
<tr>
<td>180</td>
<td>MODIFICATION OF MISSILES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>181</td>
<td>ESSM</td>
<td>1,768</td>
<td>1,768</td>
</tr>
<tr>
<td>182</td>
<td>GUNS AND GUN MOUNTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>183</td>
<td>SMALL ARMS AND WEAPONS</td>
<td>1,500</td>
<td>1,500</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL WEAPONS PROCUREMENT, NAVY</strong></td>
<td>152,373</td>
<td>152,373</td>
</tr>
<tr>
<td>184</td>
<td>PROCUREMENT OF AMMO, NAVY &amp; MC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>185</td>
<td>NAVY AMMUNITION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>186</td>
<td>GENERAL PURPOSE BOMBS</td>
<td>74,921</td>
<td>74,921</td>
</tr>
<tr>
<td>187</td>
<td>Jdam</td>
<td>106,941</td>
<td>106,941</td>
</tr>
<tr>
<td>188</td>
<td>AIRBORNE ROCKETS, ALL TYPES</td>
<td>1,184</td>
<td>1,184</td>
</tr>
<tr>
<td>189</td>
<td>AIR EXPENDABLE COUNTERMEASURES</td>
<td>15,700</td>
<td>15,700</td>
</tr>
<tr>
<td>190</td>
<td>JATO</td>
<td>540</td>
<td>540</td>
</tr>
<tr>
<td>191</td>
<td>OTHER SHIP GUN AMMUNITION</td>
<td>19,689</td>
<td>19,689</td>
</tr>
<tr>
<td>192</td>
<td>SMALL ARMS &amp; LANDING PARTY AMMO</td>
<td>1,963</td>
<td>1,963</td>
</tr>
<tr>
<td>193</td>
<td>PTROFRETEC &amp; DESTRUCTION</td>
<td>765</td>
<td>765</td>
</tr>
<tr>
<td>194</td>
<td>AMMUNITION LESS THAN $5 MILLION</td>
<td>866</td>
<td>866</td>
</tr>
<tr>
<td></td>
<td><strong>MARINE CORPS AMMUNITION</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>195</td>
<td>MORTARS</td>
<td>1,290</td>
<td>1,290</td>
</tr>
<tr>
<td>196</td>
<td>DIRECT SUPPORT MUNITIONS</td>
<td>1,355</td>
<td>1,355</td>
</tr>
<tr>
<td>197</td>
<td>INFANTRY WEAPONS AMMUNITION</td>
<td>1,854</td>
<td>1,854</td>
</tr>
<tr>
<td>198</td>
<td>ARTILLERY MUNITIONS</td>
<td>10,272</td>
<td>10,272</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC</strong></td>
<td>238,440</td>
<td>238,440</td>
</tr>
<tr>
<td>199</td>
<td>OTHER PROCUREMENT, NAVY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>OTHER SHIPBOARD EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>201</td>
<td>UNDERWATER EOD PROGRAMS</td>
<td>12,348</td>
<td>12,348</td>
</tr>
<tr>
<td>202</td>
<td>SMALL BOATS</td>
<td>18,000</td>
<td>18,000</td>
</tr>
<tr>
<td>203</td>
<td>SHIP SONARS</td>
<td>43,500</td>
<td>43,500</td>
</tr>
<tr>
<td>204</td>
<td>AVIATION ELECTRONIC EQUIPMENT</td>
<td>2,530</td>
<td>2,530</td>
</tr>
<tr>
<td>205</td>
<td>OTHER SHORE ELECTRONIC EQUIPMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>206</td>
<td>TACTICAL/MOBILE C4I SYSTEMS</td>
<td>7,500</td>
<td>7,500</td>
</tr>
<tr>
<td>207</td>
<td>DCG/CSX</td>
<td>6,392</td>
<td>6,392</td>
</tr>
</tbody>
</table>
## SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>006</td>
<td>HIGH MOBILITY ARTILLERY ROCKET SYSTEM</td>
<td>5,360</td>
<td>5,360</td>
</tr>
<tr>
<td>011</td>
<td>JAVELIN</td>
<td>2,833</td>
<td>2,833</td>
</tr>
<tr>
<td>012</td>
<td>FOLLOW ON TO SMAW</td>
<td>49</td>
<td>49</td>
</tr>
<tr>
<td>013</td>
<td>ANTI-ARMOR WEAPONS SYSTEM-HEAVY (AAWS-H)</td>
<td>5,024</td>
<td>5,024</td>
</tr>
<tr>
<td>014</td>
<td>REPAIR and TEST EQUIPMENT</td>
<td>8,241</td>
<td>8,241</td>
</tr>
<tr>
<td>015</td>
<td>MODIFICATION KITS</td>
<td>750</td>
<td>750</td>
</tr>
<tr>
<td>016</td>
<td>ITEMS UNDER $5 MILLION (COMM &amp; ELEC)</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>017</td>
<td>RADAR &amp; EQUIPMENT (NON-TEL)</td>
<td>8,400</td>
<td>8,400</td>
</tr>
<tr>
<td>018</td>
<td>INTELL/COMM EQUIPMENT (NON-TEL)</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>019</td>
<td>FIRE SUPPORT SYSTEM</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>020</td>
<td>OTHER SUPPORT (TEL)</td>
<td>5,777</td>
<td>5,777</td>
</tr>
<tr>
<td>021</td>
<td>OTHER SUPPORT (NON-TEL)</td>
<td>4,590</td>
<td>4,590</td>
</tr>
<tr>
<td>022</td>
<td>ENGINEER and OTHER EQUIPMENT</td>
<td>21,000</td>
<td>21,000</td>
</tr>
<tr>
<td>023</td>
<td>TOTAL PROCUREMENT, MARINE CORPS</td>
<td>65,274</td>
<td>65,274</td>
</tr>
<tr>
<td>024</td>
<td>AIRCRAFT PROCUREMENT, AIR FORCE</td>
<td>271,090</td>
<td>271,090</td>
</tr>
<tr>
<td>025</td>
<td>OTHER AIRCRAFT</td>
<td>26,850</td>
<td>26,850</td>
</tr>
<tr>
<td>026</td>
<td>COMPASS CALL MODS</td>
<td>56,720</td>
<td>56,720</td>
</tr>
<tr>
<td>027</td>
<td>OTHER AIRCRAFT</td>
<td>131,080</td>
<td>131,080</td>
</tr>
<tr>
<td>028</td>
<td>M9-9 MODS</td>
<td>56,400</td>
<td>56,400</td>
</tr>
<tr>
<td>029</td>
<td>AIRCRAFT SPARES and REPAIR PARTS</td>
<td>23,417</td>
<td>23,417</td>
</tr>
<tr>
<td>030</td>
<td>COMMON SUPPORT EQUIPMENT</td>
<td>740,778</td>
<td>740,778</td>
</tr>
<tr>
<td>031</td>
<td>TACTICAL</td>
<td>294,480</td>
<td>294,480</td>
</tr>
<tr>
<td>032</td>
<td>CLASS IV</td>
<td>90,920</td>
<td>90,920</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>011</td>
<td>AGM-84D MAVERICK</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL MISSILE PROCUREMENT, AIR FORCE</strong></td>
<td><strong>395,400</strong></td>
<td><strong>395,400</strong></td>
</tr>
</tbody>
</table>

**SPACE PROCUREMENT, AIR FORCE**

| SPACE PROGRAMS | 010 | MILSATCOM | 2,256 | 2,256 |
|                |      | **TOTAL SPACE PROCUREMENT, AIR FORCE** | **2,256** | **2,256** |

** PROCUREMENT OF AMMUNITION, AIR FORCE**

| ROCKETS | 011 | ROCKETS | 49,000 | 49,000 |
| CARTRIDGES | 002 | CARTRIDGES | 11,384 | 11,384 |
| BOMBS | 006 | **JOINT DIRECT ATTACK MUNITION** | **390,577** | **390,577** |
| FLARES | 015 | FLARES | 3,498 | 3,498 |
| FUZES | 016 | **TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE** | **501,509** | **501,509** |

**OTHER PROCUREMENT, AIR FORCE**

| PASSENGER CARRYING VEHICLES | 001 | **TOTAL OTHER PROCUREMENT, AIR FORCE** | **4,008,887** | **4,008,887** |
| CARGO AND UTILITY VEHICLES | 004 | **BASE MAINTENANCE SUPPORT** | **11,315** | **11,315** |
| SPECIAL PURPOSE VEHICLES | 005 | **INTELLIGENCE PROGRAMS** | **8,873** | **8,873** |
| MATERIALS HANDLING EQUIPMENT | 008 | **BASE MAINTENANCE SUPPORT** | **40,451** | **40,451** |
| PERSONAL SAFETY & RESCUE EQUIP | 048 | **INTELLIGENCE PROGRAMS** | **2,000** | **2,000** |
| OTHER PROCUREMENT PROGRAMS | 051 | **ELECTRONICS PROGRAMS** | **56,500** | **56,500** |
| OTHER PROCUREMENT PROGRAMS | 052 | **THEATER AIR CONTROL SYS IMPROVEMENTS** | **4,970** | **4,970** |
| SPACE PROGRAMS | 058 | **SPACE PROCUREMENT, AIR FORCE** | **451,181** | **451,181** |
| ROCKETS | 063 | **TOTAL SPACE PROCUREMENT, AIR FORCE** | **2,256** | **2,256** |

**PRODUCTION OF AMMUNITION, AIR FORCE**

| ROCKETS | 010 | **TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE** | **4,009,887** | **4,009,887** |

**THERMAL CONTROL SYSTEMS**

| HET | 062 | **TOTAL THERMAL CONTROL SYSTEMS** | **3,498** | **3,498** |

**OTHER PROCUREMENT PROGRAMS**

| CLASSIFIED PROGRAMS | 062A | **TOTAL OTHER PROCUREMENT, AIR FORCE** | **4,008,887** | **4,008,887** |

**PRODUCTION, DEFENSE-WIDE**

| MAJOR EQUIPMENT, DISA | 008 | **TOTAL PRODUCTION, DEFENSE-WIDE** | **1,979** | **1,979** |
| DEFENSE INFORMATION SYSTEMS NETWORK | 018 | **CLASSIFIED PROGRAMS** | **12,000** | **12,000** |
| CLASSIFIED PROGRAMS | 048A | **CLASSIFIED PROGRAMS** | **43,653** | **43,653** |
| AVIATION PROGRAMS | 046 | **AVIATION PROGRAMS** | **13,900** | **13,900** |
| 35-12 | 047 | **AVIATION PROGRAMS** | **20,000** | **20,000** |
| 38-9 | 050 | **AVIATION PROGRAMS** | **38,933** | **38,933** |
| 38-9 | 051 | **AVIATION PROGRAMS** | **9,600** | **9,600** |
| 8-28 | 052 | **AVIATION PROGRAMS** | **8,100** | **8,100** |
| **TOTAL AVIATION PROGRAMS** | **102,800** | **102,800** |
| PROGRAM increase—combat loss replacement | 053 | **TOTAL AVIATION PROGRAMS** | **102,800** | **102,800** |
| 390-30 M90 IMPULSIONS | 057 | **AMMUNITION PROGRAMS** | **5,700** | **5,700** |
| ORDINANCE ITEMS <$5M | 061 | **AMMUNITION PROGRAMS** | **5,700** | **5,700** |
| **OTHER PROCUREMENT PROGRAMS** | **62,643** | **62,643** |
### SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>064</td>
<td>INTELLIGENCE SYSTEMS</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td>069</td>
<td>TACTICAL VEHICLES</td>
<td>38,527</td>
<td>38,527</td>
</tr>
<tr>
<td>070</td>
<td>WARRIOR SYSTEMS &lt;$5M</td>
<td>20,215</td>
<td>20,215</td>
</tr>
<tr>
<td>073</td>
<td>OPERATIONAL ENHANCEMENTS INTELLIGENCE</td>
<td>7,314</td>
<td>7,194</td>
</tr>
<tr>
<td>075</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>193,542</td>
<td>209,442</td>
</tr>
</tbody>
</table>

Unfunded requirement—Joint Task Force Platform Expansion

TOTAL PROCUREMENT, DEFENSE-WIDE | 518,026 | 548,726 |

TOTAL PROCUREMENT | 10,286,979 | 10,317,679 |

### TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Sec. 4201. Research, development, test, and evaluation.

Sec. 4202. Research, development, test, and evaluation for overseas contingency operations.

### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>0601101A</td>
<td>IN-HOUSE LABORATORY INDEPENDENT RESEARCH</td>
<td>12,010</td>
<td>12,010</td>
</tr>
<tr>
<td>002</td>
<td>0601102A</td>
<td>DEFENSE RESEARCH SCIENCES</td>
<td>263,590</td>
<td>263,590</td>
</tr>
<tr>
<td>003</td>
<td>0601103A</td>
<td>UNIVERSITY RESEARCH INITIATIVES</td>
<td>67,027</td>
<td>67,027</td>
</tr>
<tr>
<td>004</td>
<td>0601104A</td>
<td>UNIVERSITY AND INDUSTRY RESEARCH CENTERS</td>
<td>87,395</td>
<td>92,395</td>
</tr>
</tbody>
</table>

Program increase

SUBTOTAL BASIC RESEARCH | 430,022 | 435,022 |

### APPLIED RESEARCH

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>005</td>
<td>0602103A</td>
<td>MATERIALS TECHNOLOGY</td>
<td>29,640</td>
<td>29,640</td>
</tr>
<tr>
<td>006</td>
<td>0602120A</td>
<td>SENSORS AND ELECTRONIC SURVIVABILITY</td>
<td>35,730</td>
<td>35,730</td>
</tr>
<tr>
<td>007</td>
<td>0602122A</td>
<td>TRACTOR IIP</td>
<td>8,627</td>
<td>8,627</td>
</tr>
<tr>
<td>008</td>
<td>0602203A</td>
<td>AVIATION TECHNOLOGY</td>
<td>66,096</td>
<td>66,096</td>
</tr>
<tr>
<td>009</td>
<td>0602207A</td>
<td>ELECTRONIC WARFARE TECHNOLOGY</td>
<td>27,144</td>
<td>27,144</td>
</tr>
<tr>
<td>010</td>
<td>0602208A</td>
<td>MISSILE TECHNOLOGY</td>
<td>43,742</td>
<td>43,742</td>
</tr>
<tr>
<td>011</td>
<td>0602209A</td>
<td>ADVANCED WEAPONS TECHNOLOGY</td>
<td>22,785</td>
<td>22,785</td>
</tr>
<tr>
<td>012</td>
<td>0602308A</td>
<td>ADVANCED CONCEPTS AND SIMULATION</td>
<td>28,650</td>
<td>28,650</td>
</tr>
<tr>
<td>013</td>
<td>0602401A</td>
<td>COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY</td>
<td>67,232</td>
<td>67,232</td>
</tr>
<tr>
<td>014</td>
<td>0602405A</td>
<td>BALLISTICS TECHNOLOGY</td>
<td>85,309</td>
<td>85,309</td>
</tr>
<tr>
<td>015</td>
<td>0602406A</td>
<td>CHEMICAL, SMEAR AND EQUIPMENT DEFRACTION TECHNOLOGY</td>
<td>4,004</td>
<td>4,004</td>
</tr>
<tr>
<td>016</td>
<td>0602407A</td>
<td>JOINT SERVICE SMALL ARMS PROGRAM</td>
<td>5,615</td>
<td>5,615</td>
</tr>
<tr>
<td>017</td>
<td>0602408A</td>
<td>WEAPONS AND MUNITIONS TECHNOLOGY</td>
<td>41,445</td>
<td>41,445</td>
</tr>
<tr>
<td>018</td>
<td>0602705A</td>
<td>ELECTRONICS AND ELECTRONIC DEVICES</td>
<td>36,352</td>
<td>60,032</td>
</tr>
</tbody>
</table>

Program increase

SUBTOTAL APPLIED RESEARCH | 889,182 | 896,182 |

### ADVANCED TECHNOLOGY DEVELOPMENT
### Line Program Element

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>090</td>
<td>WARTFIGHTER ADVANCED TECHNOLOGY</td>
<td></td>
<td>44,863</td>
<td>44,863</td>
</tr>
<tr>
<td>100</td>
<td>MEDICAL ADVANCED TECHNOLOGY</td>
<td></td>
<td>67,780</td>
<td>67,780</td>
</tr>
<tr>
<td>101</td>
<td>AVIATION ADVANCED TECHNOLOGY</td>
<td></td>
<td>160,746</td>
<td>160,746</td>
</tr>
<tr>
<td>102</td>
<td>WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY</td>
<td></td>
<td>84,079</td>
<td>84,079</td>
</tr>
<tr>
<td>103</td>
<td>COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY</td>
<td></td>
<td>125,517</td>
<td>125,517</td>
</tr>
<tr>
<td>104</td>
<td>SPACE APPLICATION ADVANCED TECHNOLOGY</td>
<td></td>
<td>12,311</td>
<td>12,311</td>
</tr>
<tr>
<td>105</td>
<td>MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY</td>
<td></td>
<td>6,466</td>
<td>6,466</td>
</tr>
<tr>
<td>106</td>
<td>TRACTOR HIKE</td>
<td></td>
<td>40,552</td>
<td>40,552</td>
</tr>
<tr>
<td>107</td>
<td>NEXT-GENERATION TRAINING &amp; SIMULATION SYSTEMS</td>
<td></td>
<td>16,414</td>
<td>16,414</td>
</tr>
<tr>
<td>108</td>
<td>COMBAT ENGINEERING TECHNOLOGY</td>
<td></td>
<td>26,903</td>
<td>26,903</td>
</tr>
<tr>
<td>109</td>
<td>TRACTOR NAIL</td>
<td></td>
<td>4,800</td>
<td>4,800</td>
</tr>
<tr>
<td>110</td>
<td>TRACTOR ROGS</td>
<td></td>
<td>4,326</td>
<td>4,326</td>
</tr>
<tr>
<td>111</td>
<td>ELECTRONIC WARFARE TECHNOLOGY</td>
<td></td>
<td>31,296</td>
<td>31,296</td>
</tr>
<tr>
<td>112</td>
<td>MISSILE AND ROCKET ADVANCED TECHNOLOGY</td>
<td></td>
<td>32,850</td>
<td>32,850</td>
</tr>
<tr>
<td>113</td>
<td>MUNICIPAL AND COMMUNITY ADVANCED TECHNOLOGY</td>
<td></td>
<td>2,588</td>
<td>2,588</td>
</tr>
<tr>
<td>114</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL</td>
<td></td>
<td>10,456</td>
<td>10,456</td>
</tr>
<tr>
<td>115</td>
<td>TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV</td>
<td></td>
<td>8,472</td>
<td>8,472</td>
</tr>
<tr>
<td>116</td>
<td>JOINT SERVICE SMALL ARMS PROGRAM</td>
<td></td>
<td>5,796</td>
<td>5,796</td>
</tr>
<tr>
<td>117</td>
<td>NIGHT VISION ADVANCED TECHNOLOGY</td>
<td></td>
<td>47,135</td>
<td>47,135</td>
</tr>
<tr>
<td>118</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY—DEMONSTRATIONS</td>
<td></td>
<td>10,421</td>
<td>10,421</td>
</tr>
<tr>
<td>119</td>
<td>MILITARY ENGINEERING ADVANCED TECHNOLOGY</td>
<td></td>
<td>32,448</td>
<td>32,448</td>
</tr>
<tr>
<td>120</td>
<td>TECHNOLOGY MATURATION INTITIATIVES</td>
<td></td>
<td>14,152</td>
<td>14,152</td>
</tr>
<tr>
<td>121</td>
<td>COMBAT ENGINEERING TECHNOLOGY</td>
<td></td>
<td>24,450</td>
<td>24,450</td>
</tr>
<tr>
<td>122</td>
<td>Simulation upgrades for land-based anti-ship missile</td>
<td></td>
<td>1,620</td>
<td>1,620</td>
</tr>
<tr>
<td></td>
<td>development</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>123</td>
<td>C3 ADVANCED TECHNOLOGY</td>
<td></td>
<td>35,426</td>
<td>35,426</td>
</tr>
</tbody>
</table>

### Advanced Component Development & Prototypes

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>124</td>
<td>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>125</td>
<td>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>126</td>
<td>AMX MISSILE DEFENSE SYSTEMS INTEGRATION</td>
<td></td>
<td>9,634</td>
<td>9,634</td>
</tr>
<tr>
<td>127</td>
<td>AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING</td>
<td></td>
<td>42,649</td>
<td>42,649</td>
</tr>
<tr>
<td>128</td>
<td>LANDMINES WARFARE AND BARRELL—ADV DEV</td>
<td></td>
<td>72,909</td>
<td>72,909</td>
</tr>
<tr>
<td>129</td>
<td>A-TA-3,333, 40mm</td>
<td></td>
<td>7,135</td>
<td>7,135</td>
</tr>
<tr>
<td>130</td>
<td>TANK AND MEDIUM CALIBER AMMUNITION</td>
<td></td>
<td>41,452</td>
<td>41,452</td>
</tr>
<tr>
<td>131</td>
<td>UFR: Munitions and CM development</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>Unfunded requirement—JLTV lethality 30mm upgrade</td>
<td></td>
<td>1,088</td>
<td></td>
</tr>
<tr>
<td>133</td>
<td>Unfunded requirement—RF countermeasures</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>134</td>
<td>Unfunded requirement—RF countermeasures</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>135</td>
<td>ADMS-MODIFIED SYSTEM MODERNIZATION—ADV DEV</td>
<td></td>
<td>22,719</td>
<td>22,719</td>
</tr>
<tr>
<td>136</td>
<td>UFR: Funds of the Advanced Miniaturized Data Acquisi-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>tion Systems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>137</td>
<td>SUPPORT AND SURVIVABILITY</td>
<td></td>
<td>10,157</td>
<td>10,157</td>
</tr>
<tr>
<td>138</td>
<td>TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV</td>
<td></td>
<td>21,333</td>
<td>21,333</td>
</tr>
<tr>
<td>139</td>
<td>UFR: Funds of the Advanced Miniaturized Data Acquisi-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>tion Systems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>SOLID STATE SYSTEMS—ADVANCED DEVELOPMENT</td>
<td></td>
<td>20,219</td>
<td>20,219</td>
</tr>
<tr>
<td>141</td>
<td>UFR: Funds of the Advanced Miniaturized Data Acquisi-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>tion Systems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>142</td>
<td>ROBOTICS DEVELOPMENT</td>
<td></td>
<td>39,608</td>
<td>39,608</td>
</tr>
<tr>
<td>143</td>
<td>ANALYSIS OF ALTERNATIVES</td>
<td></td>
<td>9,282</td>
<td>9,282</td>
</tr>
<tr>
<td>144</td>
<td>LOWER TIER AIR MISSILE DEFENSE (LtAMD) SENSOR</td>
<td></td>
<td>78,728</td>
<td>78,728</td>
</tr>
<tr>
<td>145</td>
<td>TECHNOLOGY MATURATION INTITIATIVES</td>
<td></td>
<td>115,221</td>
<td>115,221</td>
</tr>
<tr>
<td>146</td>
<td>TRACTOR HEAD</td>
<td></td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>147</td>
<td>ASSURED POSITION, NAVIGATION, AND TIMING (PNT)</td>
<td></td>
<td>164,967</td>
<td>164,967</td>
</tr>
<tr>
<td>148</td>
<td>SYNTHETIC TRAINING ENVIRONMENT REFINEMENT &amp;</td>
<td></td>
<td>1,600</td>
<td>1,600</td>
</tr>
<tr>
<td></td>
<td>PROTOTYPING</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>149</td>
<td>INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2—</td>
<td></td>
<td>11,303</td>
<td>11,303</td>
</tr>
<tr>
<td></td>
<td>INTERCEPT (IFPC2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>CYBERSECURITY OPERATIONS FORCES AND FORER SUPPORT</td>
<td></td>
<td>56,492</td>
<td>56,492</td>
</tr>
<tr>
<td>151</td>
<td>ARMY SPACE SYSTEMS INTEGRATION</td>
<td></td>
<td>20,412</td>
<td>20,412</td>
</tr>
<tr>
<td>152</td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT</td>
<td></td>
<td>899,569</td>
<td>997,109</td>
</tr>
</tbody>
</table>

### System Development & Demonstration

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>153</td>
<td>AIRCRAFT ADVANCED TECHNOLOGY</td>
<td></td>
<td>30,153</td>
<td>30,153</td>
</tr>
<tr>
<td>154</td>
<td>WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY</td>
<td></td>
<td>2,450</td>
<td>2,450</td>
</tr>
<tr>
<td>155</td>
<td>ELECTRONIC WARFARE TECHNOLOGY</td>
<td></td>
<td>47,135</td>
<td>47,135</td>
</tr>
<tr>
<td>156</td>
<td>JOINT SERVICE SMALL ARMS PROGRAM</td>
<td></td>
<td>5,796</td>
<td>5,796</td>
</tr>
<tr>
<td>157</td>
<td>NIGHT VISION ADVANCED TECHNOLOGY</td>
<td></td>
<td>47,135</td>
<td>47,135</td>
</tr>
<tr>
<td>158</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY—DEMONSTRATIONS</td>
<td></td>
<td>10,421</td>
<td>10,421</td>
</tr>
<tr>
<td>159</td>
<td>MILITARY ENGINEERING ADVANCED TECHNOLOGY</td>
<td></td>
<td>32,448</td>
<td>32,448</td>
</tr>
<tr>
<td>160</td>
<td>TECHNOLOGY MATURATION INTITIATIVES</td>
<td></td>
<td>14,152</td>
<td>14,152</td>
</tr>
<tr>
<td>161</td>
<td>COMBAT ENGINEERING TECHNOLOGY</td>
<td></td>
<td>24,450</td>
<td>24,450</td>
</tr>
<tr>
<td>162</td>
<td>Simulation upgrades for land-based anti-ship missile</td>
<td></td>
<td>1,620</td>
<td>1,620</td>
</tr>
<tr>
<td></td>
<td>development</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>163</td>
<td>C3 ADVANCED TECHNOLOGY</td>
<td></td>
<td>35,426</td>
<td>35,426</td>
</tr>
<tr>
<td>164</td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT</td>
<td></td>
<td>899,569</td>
<td>997,109</td>
</tr>
</tbody>
</table>
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>083</td>
<td>084290A</td>
<td>MID-TIER NETWORKING VEHICULAR RADIO (MVR)</td>
<td>10,589</td>
<td>10,589</td>
</tr>
<tr>
<td>084</td>
<td>084221A</td>
<td>ALL SOURCE ANALYSIS SYSTEM</td>
<td>4,774</td>
<td>4,774</td>
</tr>
<tr>
<td>085</td>
<td>084252A</td>
<td>TRACTOR CAGE</td>
<td>17,252</td>
<td>30,252</td>
</tr>
<tr>
<td></td>
<td>UFR: Provides the Army’s Cyber Mission Force (CMF) with classified cyber tools.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>086</td>
<td>084601A</td>
<td>INFANTRY SUPPORT WEAPONS</td>
<td>87,641</td>
<td>88,793</td>
</tr>
<tr>
<td></td>
<td>UFR: Acceleration of qualification of XM914 and XM915</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>087</td>
<td>084614A</td>
<td>MEDIUM TACTICAL VEHICLES</td>
<td>6,019</td>
<td>6,019</td>
</tr>
<tr>
<td>088</td>
<td>084611A</td>
<td>JAVELIN</td>
<td>21,095</td>
<td>21,095</td>
</tr>
<tr>
<td>089</td>
<td>084622A</td>
<td>FAMILY OF HEAVY TACTICAL VEHICLES</td>
<td>10,507</td>
<td>10,507</td>
</tr>
<tr>
<td>090</td>
<td>084625A</td>
<td>AIR TRAFFIC CONTROL</td>
<td>3,536</td>
<td>5,036</td>
</tr>
<tr>
<td>091</td>
<td>084642A</td>
<td>LIGHT TACTICAL WHEELED VEHICLES</td>
<td>7,000</td>
<td>7,000</td>
</tr>
<tr>
<td>092</td>
<td>084643A</td>
<td>ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV</td>
<td>36,242</td>
<td>36,242</td>
</tr>
<tr>
<td>093</td>
<td>084710A</td>
<td>NIGHT VISION SYSTEMS—ENG DEV</td>
<td>108,504</td>
<td>126,004</td>
</tr>
<tr>
<td></td>
<td>UFR: Develop Thermal Weapon Sights</td>
<td>17,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>094</td>
<td>084711A</td>
<td>COMBAT FEEDING, CLOTHING, AND EQUIPMENT</td>
<td>3,702</td>
<td>3,702</td>
</tr>
<tr>
<td>095</td>
<td>084715A</td>
<td>NON-SYSTEM TRAINING DEVICES—ENG DEV</td>
<td>43,575</td>
<td>43,575</td>
</tr>
<tr>
<td>096</td>
<td>084714A</td>
<td>AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV</td>
<td>25,726</td>
<td>25,726</td>
</tr>
<tr>
<td>097</td>
<td>084742A</td>
<td>CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT</td>
<td>18,562</td>
<td>18,562</td>
</tr>
<tr>
<td>098</td>
<td>084746A</td>
<td>AUTOMATIC TESTING EQUIPMENT DEVELOPMENT</td>
<td>8,144</td>
<td>8,344</td>
</tr>
<tr>
<td>099</td>
<td>084750A</td>
<td>DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV</td>
<td>11,270</td>
<td>11,270</td>
</tr>
<tr>
<td>100</td>
<td>084785A</td>
<td>DRILLING ACTIVITY SUBMISSION (DAS)</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>101</td>
<td>084780A</td>
<td>COMBINED ARMS TACTICAL TRAINER (CATT) CORE</td>
<td>18,566</td>
<td>18,566</td>
</tr>
<tr>
<td>102</td>
<td>084789A</td>
<td>BRIGADIR ANALYSES, INTEGRATION AND EVALUATION</td>
<td>145,360</td>
<td>145,360</td>
</tr>
<tr>
<td>103</td>
<td>084902A</td>
<td>WEAPONS AND MUNITIONS—ENG DEV</td>
<td>145,232</td>
<td>157,410</td>
</tr>
<tr>
<td></td>
<td>UFR: 105mm Anti-Personnel / Wall Breach Ammunition</td>
<td>8,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>104</td>
<td>084904A</td>
<td>LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV</td>
<td>90,965</td>
<td>90,965</td>
</tr>
<tr>
<td>105</td>
<td>084905A</td>
<td>COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV</td>
<td>9,910</td>
<td>9,910</td>
</tr>
<tr>
<td>106</td>
<td>084907A</td>
<td>MEDICAL MATERIAL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV</td>
<td>39,238</td>
<td>39,238</td>
</tr>
<tr>
<td>107</td>
<td>084908A</td>
<td>LANDMINE WARFARE/BARRIER—ENG DEV</td>
<td>34,684</td>
<td>34,684</td>
</tr>
<tr>
<td>108</td>
<td>084915A</td>
<td>ARMY TACTICAL COMMAND &amp; CONTROL HARDWARE &amp; SOFTWARE</td>
<td>164,409</td>
<td>164,409</td>
</tr>
<tr>
<td>109</td>
<td>084920A</td>
<td>RANTER DEVELOPMENT</td>
<td>32,968</td>
<td>32,968</td>
</tr>
<tr>
<td>110</td>
<td>084922A</td>
<td>GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEB)</td>
<td>49,554</td>
<td>49,554</td>
</tr>
<tr>
<td>111</td>
<td>084923A</td>
<td>FIREFINDER</td>
<td>45,605</td>
<td>45,605</td>
</tr>
<tr>
<td>112</td>
<td>084927A</td>
<td>SOLDIER SYSTEMS—WARRIOR DEM/VAL</td>
<td>16,127</td>
<td>16,127</td>
</tr>
<tr>
<td>113</td>
<td>084928A</td>
<td>SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD</td>
<td>98,600</td>
<td>133,600</td>
</tr>
<tr>
<td></td>
<td>UFR: Expands installation of Active Protection Systems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>114</td>
<td>084929A</td>
<td>MODULAR ACTIVE PROTECTION SYSTEM</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>115</td>
<td>084934A</td>
<td>ARTILLERY SYSTEMS—EMD</td>
<td>1,972</td>
<td>1,972</td>
</tr>
<tr>
<td></td>
<td>UFR: Un-funded requirement—IT3 demonstrator</td>
<td>2,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>116</td>
<td>085012A</td>
<td>INFORMATION TECHNOLOGY DEVELOPMENT</td>
<td>83,776</td>
<td>83,776</td>
</tr>
<tr>
<td>117</td>
<td>085015A</td>
<td>INTEGRIATION PERSONNEL AND PAY SYSTEM—ARMY (IPPS-A)</td>
<td>172,361</td>
<td>172,361</td>
</tr>
<tr>
<td>118</td>
<td>085029A</td>
<td>ARMORED MULTI-PURPOSE VEHICLE (AMV)</td>
<td>199,778</td>
<td>199,778</td>
</tr>
<tr>
<td>119</td>
<td>085029A</td>
<td>INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C)</td>
<td>4,418</td>
<td>4,418</td>
</tr>
<tr>
<td>120</td>
<td>085030A</td>
<td>JOINT TACTICAL NETWORK CENTER (JTN)</td>
<td>15,877</td>
<td>15,877</td>
</tr>
<tr>
<td>121</td>
<td>085031A</td>
<td>JOINT TACTICAL NETWORK (JTN)</td>
<td>44,150</td>
<td>44,150</td>
</tr>
<tr>
<td>122</td>
<td>085032A</td>
<td>TRACTOR TIE</td>
<td>34,670</td>
<td>115,753</td>
</tr>
<tr>
<td></td>
<td>UFR: Develops Offensive Cyber Operations capabilities</td>
<td>76,900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>123</td>
<td>085031A</td>
<td>GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM—EXPEDITORY (GBSS-E)</td>
<td>5,207</td>
<td>5,207</td>
</tr>
<tr>
<td>124</td>
<td>085044A</td>
<td>TACTICAL SECURITY SYSTEM (TSS)</td>
<td>4,727</td>
<td>4,727</td>
</tr>
<tr>
<td>125</td>
<td>085053A</td>
<td>COMMON INFRARED COUNTERMEASURES (CIRCM)</td>
<td>105,778</td>
<td>105,778</td>
</tr>
<tr>
<td>126</td>
<td>085056A</td>
<td>COMBATING WEAPONS OF MASSES DESTRUCTION (COBMD)</td>
<td>6,927</td>
<td>6,927</td>
</tr>
<tr>
<td>127</td>
<td>085057A</td>
<td>EVIDENCE COLLECTION AND DETAINEE PROCESSING</td>
<td>214</td>
<td>214</td>
</tr>
<tr>
<td>128</td>
<td>085058A</td>
<td>NUCLEAR BIOLOGICAL CHEMICAL DEFENSE SYSTEM (NBCRV)</td>
<td>16,125</td>
<td>16,125</td>
</tr>
<tr>
<td>129</td>
<td>085041A</td>
<td>DEFENSIVE CYBER TOOL DEVELOPMENT</td>
<td>55,165</td>
<td>55,165</td>
</tr>
<tr>
<td>130</td>
<td>085042A</td>
<td>TACTICAL NETWORK RADIO SYSTEMS—LOW-THRESHOLD</td>
<td>20,076</td>
<td>20,076</td>
</tr>
<tr>
<td>131</td>
<td>085047A</td>
<td>CONTRACT WRITING SYSTEM</td>
<td>20,322</td>
<td>20,322</td>
</tr>
<tr>
<td>132</td>
<td>085048A</td>
<td>MISSILE WARNING SYSTEM MODERNIZATION (MWSM)</td>
<td>55,165</td>
<td>55,165</td>
</tr>
<tr>
<td>133</td>
<td>085051A</td>
<td>AIRCRAFT SURVIVABILITY DEVELOPMENT</td>
<td>30,879</td>
<td>30,879</td>
</tr>
<tr>
<td>134</td>
<td>085052A</td>
<td>DIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1</td>
<td>175,069</td>
<td>175,069</td>
</tr>
<tr>
<td>135</td>
<td>085053A</td>
<td>GROUND ROBOTICS</td>
<td>70,760</td>
<td>70,760</td>
</tr>
<tr>
<td>136</td>
<td>085030A</td>
<td>AMF JOINT TACTICAL RADIO SYSTEM (JTRS)</td>
<td>8,965</td>
<td>8,965</td>
</tr>
<tr>
<td>137</td>
<td>085031A</td>
<td>JOINT AIR-GROUND MISSILE (JAGM)</td>
<td>34,296</td>
<td>34,296</td>
</tr>
<tr>
<td>138</td>
<td>085037A</td>
<td>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</td>
<td>316,420</td>
<td>252,320</td>
</tr>
<tr>
<td></td>
<td>Program Reduction</td>
<td>84,100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>139</td>
<td>085066A</td>
<td>NATIONAL CAPABILITIES INTEGRATION (NCI)</td>
<td>6,882</td>
<td>9,382</td>
</tr>
</tbody>
</table>

**Note:** The table above provides a summary of the Army's fiscal year 2018 research, development, test, and evaluation budget. Each line item details the appropriation for specific programs, projects, or initiatives, along with their respective authorized funding amounts. The table includes categories such as logistics, engineering, communications, strategic systems, research and development, and others, with specific project details and funding allocations. The table highlights the investment in various critical areas of technology and capability development to enhance the Army's operational readiness and effectiveness.
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>144</td>
<td>0605412A</td>
<td>JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH</td>
<td>23,467</td>
<td>23,467</td>
</tr>
<tr>
<td>144</td>
<td>0605309A</td>
<td>AVIATION GROUND SUPPORT EQUIPMENT</td>
<td>6,930</td>
<td>6,930</td>
</tr>
<tr>
<td>144</td>
<td>0218308A</td>
<td>PALADIN INTEGRATED MANAGEMENT (PIM)</td>
<td>6,112</td>
<td>6,112</td>
</tr>
<tr>
<td>147</td>
<td>0303823A</td>
<td>TROMAN—HH12</td>
<td>4,431</td>
<td>4,431</td>
</tr>
<tr>
<td>150</td>
<td>0304270A</td>
<td>ELECTRONIC WARFARE DEVELOPMENT</td>
<td>14,616</td>
<td>14,616</td>
</tr>
<tr>
<td>150</td>
<td>1203171A</td>
<td>TRACTOR BEARS</td>
<td>17,928</td>
<td>17,928</td>
</tr>
</tbody>
</table>

**SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>0202429A</td>
<td>AEROSTAT JOINT PROJECT—COCOM EXERCISE</td>
<td>6,749</td>
<td>6,749</td>
<td></td>
</tr>
<tr>
<td>151</td>
<td>0607865A</td>
<td>PATRIOT PRODUCT IMPROVEMENT</td>
<td>90,217</td>
<td>180,217</td>
</tr>
<tr>
<td>151</td>
<td>0304386A</td>
<td>155MM SELF-PROPELLED HOWITZER IMPROVEMENTS</td>
<td>40,784</td>
<td>40,784</td>
</tr>
<tr>
<td>151</td>
<td>0607143A</td>
<td>JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM</td>
<td>7,238</td>
<td>7,238</td>
</tr>
<tr>
<td>151</td>
<td>0607142A</td>
<td>MATERIAL SYSTEMS ANALYSIS</td>
<td>23,467</td>
<td>23,467</td>
</tr>
<tr>
<td>151</td>
<td>0607141A</td>
<td>ELECTRONIC WARFARE DEVELOPMENT</td>
<td>51,040</td>
<td>51,040</td>
</tr>
<tr>
<td>151</td>
<td>0607140A</td>
<td>SUPPORT OF OPERATIONAL TESTING</td>
<td>7,238</td>
<td>7,238</td>
</tr>
<tr>
<td>151</td>
<td>0607139A</td>
<td>EXPLOITATION OF FOREIGN ITEMS</td>
<td>12,684</td>
<td>12,684</td>
</tr>
<tr>
<td>151</td>
<td>0607138A</td>
<td>SUPPORT OF OPERATIONAL TESTING</td>
<td>56,246</td>
<td>56,246</td>
</tr>
<tr>
<td>151</td>
<td>0607137A</td>
<td>PROGRAM WIDE ACTIVITIES</td>
<td>21,829</td>
<td>21,829</td>
</tr>
<tr>
<td>151</td>
<td>0607136A</td>
<td>ARMY MODELING &amp; SIM X-CMD COLLABORATION &amp; INTEGRATION</td>
<td>55,060</td>
<td>55,060</td>
</tr>
<tr>
<td>151</td>
<td>0607135A</td>
<td>MATERIEL SYSTEMS ANALYSIS</td>
<td>44,144</td>
<td>44,144</td>
</tr>
<tr>
<td>151</td>
<td>0607134A</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY FOR JSTOM</td>
<td>5,087</td>
<td>5,087</td>
</tr>
<tr>
<td>151</td>
<td>0607133A</td>
<td>MILITARY GROUND-BASED CREW TECHNOLOGY</td>
<td>7,916</td>
<td>7,916</td>
</tr>
<tr>
<td>151</td>
<td>0607132A</td>
<td>DEFENSE MILITARY DESTRUCTION INITIATIVE</td>
<td>1,779</td>
<td>1,779</td>
</tr>
</tbody>
</table>

**SUBTOTAL RDT&E MANAGEMENT SUPPORT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>178</td>
<td>0607177A</td>
<td>MILLS PRODUCT IMPROVEMENT PROGRAM</td>
<td>8,929</td>
<td>8,929</td>
</tr>
<tr>
<td>178</td>
<td>0607176A</td>
<td>TRACTOR PULL</td>
<td>4,914</td>
<td>4,914</td>
</tr>
<tr>
<td>180</td>
<td>0607024A</td>
<td>ANTI-TAMPER TECHNOLOGY SUPPORT</td>
<td>4,904</td>
<td>4,904</td>
</tr>
<tr>
<td>180</td>
<td>0607131A</td>
<td>WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS</td>
<td>15,718</td>
<td>15,718</td>
</tr>
<tr>
<td>180</td>
<td>0607130A</td>
<td>TRACTOR SMOKER</td>
<td>4,533</td>
<td>4,533</td>
</tr>
<tr>
<td>180</td>
<td>0607134A</td>
<td>LONG RANGE PRECISION FIRES (LEFP)</td>
<td>102,014</td>
<td>158,745</td>
</tr>
</tbody>
</table>

**OPERATIONAL SYSTEMS DEVELOPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>181</td>
<td>0607139A</td>
<td>Unfunded requirement—MLRS Technology Integration</td>
<td>38,463</td>
<td>38,463</td>
</tr>
<tr>
<td>181</td>
<td>0607016A</td>
<td>FAMILY OF BIOMETRICS</td>
<td>6,159</td>
<td>6,159</td>
</tr>
<tr>
<td>181</td>
<td>0607138A</td>
<td>PATRIOT PRODUCT IMPROVEMENT</td>
<td>90,217</td>
<td>180,217</td>
</tr>
<tr>
<td>181</td>
<td>0607137A</td>
<td>ARMORED TECHNOLOGY DEVELOPMENT</td>
<td>7,916</td>
<td>7,916</td>
</tr>
<tr>
<td>181</td>
<td>0607136A</td>
<td>JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM</td>
<td>1,779</td>
<td>1,779</td>
</tr>
<tr>
<td>181</td>
<td>0607135A</td>
<td>UNMANNED AERIAL SYSTEM UNIVERSAL PRODUCTS</td>
<td>38,463</td>
<td>38,463</td>
</tr>
<tr>
<td>181</td>
<td>0607134A</td>
<td>AVIATION ROCKET SYSTEM DEVELOPMENT</td>
<td>100,064</td>
<td>100,064</td>
</tr>
</tbody>
</table>

**TOTAL**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1669</td>
<td></td>
<td></td>
<td>3,012,840</td>
<td>3,257,968</td>
</tr>
</tbody>
</table>

**UFR: Fund development for Remote Ground Terminal**

- [2,500]
SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Authorized</th>
<th>Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>0601101X</td>
<td>UNIVERSITY RESEARCH II INITIATIVES</td>
<td>$118,300</td>
<td>$125,130</td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>0601132X</td>
<td>IN-HOUSE LABORATORY INDEPENDENT RESEARCH</td>
<td>$19,418</td>
<td>$19,418</td>
<td></td>
</tr>
<tr>
<td>003</td>
<td>0601133X</td>
<td>DEFENSE RESEARCH SCIENCES</td>
<td>$458,333</td>
<td>$458,333</td>
<td></td>
</tr>
<tr>
<td>204</td>
<td>0203492A</td>
<td>OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS</td>
<td>$5,000</td>
<td>$5,000</td>
<td></td>
</tr>
<tr>
<td>205</td>
<td>0203493A</td>
<td>TACTOR CARD</td>
<td>$37,883</td>
<td>$37,883</td>
<td></td>
</tr>
<tr>
<td>207</td>
<td>0203510A</td>
<td>MATERIAL HANDLING EQUIPMENT</td>
<td>$1,582</td>
<td>$1,582</td>
<td></td>
</tr>
<tr>
<td>208</td>
<td>0203512X</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEVELOPMENT</td>
<td>$195</td>
<td>$195</td>
<td></td>
</tr>
<tr>
<td>209</td>
<td>0203514A</td>
<td>LOWER TIER AIR AND MISSILE DEFENSE (AMISD) SYSTEM</td>
<td>$78,926</td>
<td>$78,926</td>
<td></td>
</tr>
<tr>
<td>210</td>
<td>0203577A</td>
<td>GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)</td>
<td>$102,807</td>
<td>$102,807</td>
<td></td>
</tr>
<tr>
<td>211</td>
<td>0302550A</td>
<td>SECURITY AND INTELLIGENCE ACTIVITIES</td>
<td>$13,907</td>
<td>$13,907</td>
<td></td>
</tr>
<tr>
<td>212</td>
<td>0303140A</td>
<td>INFORMATION SYSTEMS SECURITY PROGRAM</td>
<td>$122,349</td>
<td>$122,349</td>
<td></td>
</tr>
<tr>
<td>214</td>
<td>0303680A</td>
<td>MANUFACTURING TECHNOLOGY PROGRAM</td>
<td>$103,828</td>
<td>$103,828</td>
<td></td>
</tr>
<tr>
<td>215</td>
<td>0303673A</td>
<td>FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>$154,407</td>
<td>$154,407</td>
<td></td>
</tr>
<tr>
<td>216</td>
<td>0303651M</td>
<td>JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT</td>
<td>$13,448</td>
<td>$13,448</td>
<td></td>
</tr>
<tr>
<td>217</td>
<td>0303150A</td>
<td>INFORMATION SYSTEMS COMMAND AND CONTROL SYSTEM</td>
<td>$10,475</td>
<td>$10,475</td>
<td></td>
</tr>
<tr>
<td>218</td>
<td>0303172A</td>
<td>COMBINED ADVANCED APPLICATIONS</td>
<td>$1,100</td>
<td>$1,100</td>
<td></td>
</tr>
<tr>
<td>219</td>
<td>0303204A</td>
<td>TACTICAL UNMANNED AIR VEHICLES</td>
<td>$9,433</td>
<td>$9,433</td>
<td></td>
</tr>
<tr>
<td>220</td>
<td>0303206A</td>
<td>AERONAUTICS RESEARCH SYSTEMS</td>
<td>$5,090</td>
<td>$5,090</td>
<td></td>
</tr>
<tr>
<td>221</td>
<td>0303208A</td>
<td>DISTRIBUTED COMMON GROUND SURFACE SYSTEMS</td>
<td>$24,700</td>
<td>$20,480</td>
<td></td>
</tr>
<tr>
<td>222</td>
<td>1203142A</td>
<td>SATCOM GROUND ENVIRONMENT (SPACE)</td>
<td>$11,959</td>
<td>$11,959</td>
<td></td>
</tr>
<tr>
<td>223</td>
<td>1208053A</td>
<td>JOINT TACTICAL GROUND SYSTEM</td>
<td>$10,228</td>
<td>$10,228</td>
<td></td>
</tr>
<tr>
<td>224</td>
<td>98888999999999999</td>
<td>CLASSIFIED PROGRAMS</td>
<td>$7,114</td>
<td>$7,114</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL OPERATIONAL SYSTEMS DEVELOPMENT**

**9,446,140**  10,018,444

**EVAL ARMY**

**RESEARCH, DEVELOPMENT, TEST & EVAL**

**APPLIED RESEARCH**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Authorized</th>
<th>Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>004</td>
<td>0602114X</td>
<td>POWER PROJECTION APPLIED RESEARCH</td>
<td>$13,553</td>
<td>$13,553</td>
<td></td>
</tr>
<tr>
<td>005</td>
<td>0602115X</td>
<td>FORCE PROJECTION APPLIED RESEARCH</td>
<td>$25,557</td>
<td>$25,557</td>
<td></td>
</tr>
<tr>
<td>006</td>
<td>0602311X</td>
<td>MARINE CORPS LANDING FORCE TECHNOLOGY</td>
<td>$53,976</td>
<td>$53,976</td>
<td></td>
</tr>
<tr>
<td>007</td>
<td>0602313X</td>
<td>COMMON PICTURE APPLIED RESEARCH</td>
<td>$36,450</td>
<td>$36,450</td>
<td></td>
</tr>
<tr>
<td>008</td>
<td>0602356X</td>
<td>WAVEFORM SUSTAINMENT APPLIED RESEARCH</td>
<td>$48,649</td>
<td>$48,649</td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>0602211X</td>
<td>ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH</td>
<td>$79,598</td>
<td>$79,598</td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>0602355X</td>
<td>OCEAN WARRIORTING ENVIRONMENT APPLIED RESEARCH</td>
<td>$42,411</td>
<td>$57,411</td>
<td></td>
</tr>
<tr>
<td>011</td>
<td>0602356X</td>
<td>JOINT NON-LETHAL WEAPONS APPLIED RESEARCH</td>
<td>$6,425</td>
<td>$6,425</td>
<td></td>
</tr>
<tr>
<td>012</td>
<td>0602372X</td>
<td>UNDERSEA WARFARE APPLIED RESEARCH</td>
<td>$56,090</td>
<td>$66,090</td>
<td></td>
</tr>
</tbody>
</table>

**ADVANCED TECHNOLOGY DEVELOPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Authorized</th>
<th>Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>019</td>
<td>0601121X</td>
<td>FORCE PROJECTION ADVANCED TECHNOLOGY</td>
<td>$26,342</td>
<td>$26,342</td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>0602512X</td>
<td>ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY</td>
<td>$9,360</td>
<td>$9,360</td>
<td></td>
</tr>
<tr>
<td>021</td>
<td>0603400X</td>
<td>USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)</td>
<td>$134,407</td>
<td>$134,407</td>
<td></td>
</tr>
<tr>
<td>022</td>
<td>0603515X</td>
<td>JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT</td>
<td>$13,448</td>
<td>$13,448</td>
<td></td>
</tr>
<tr>
<td>023</td>
<td>0603516X</td>
<td>FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>$231,772</td>
<td>$229,033</td>
<td></td>
</tr>
</tbody>
</table>

**INNOVATIVE NAVAL PROTOTYPES (INP)**

**ADVANCED TECHNOLOGY DEVELOPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Authorized</th>
<th>Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>024</td>
<td>0603508X</td>
<td>MANUFACTURING TECHNOLOGY PROGRAM</td>
<td>$57,797</td>
<td>$57,797</td>
<td></td>
</tr>
<tr>
<td>025</td>
<td>0603729X</td>
<td>WARFARE PROTECTION ADVANCED TECHNOLOGY</td>
<td>$4,878</td>
<td>$4,878</td>
<td></td>
</tr>
<tr>
<td>026</td>
<td>0603758X</td>
<td>NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS</td>
<td>$64,898</td>
<td>$64,898</td>
<td></td>
</tr>
<tr>
<td>027</td>
<td>0603412X</td>
<td>MINED AND EXPEDITIOUS WARFARE ADVANCED TECHNOLOGY</td>
<td>$13,164</td>
<td>$13,164</td>
<td></td>
</tr>
<tr>
<td>028</td>
<td>0603801X</td>
<td>INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>$108,285</td>
<td>$133,285</td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td>------</td>
<td>----------------</td>
<td>----------------------</td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>0603207N</td>
<td>ADVANCED TACTICAL APPLICATIONS</td>
<td>48,365</td>
<td>48,365</td>
<td></td>
</tr>
<tr>
<td>031</td>
<td>0603216N</td>
<td>AERIAL SURVIVABILITY</td>
<td>5,566</td>
<td>5,566</td>
<td></td>
</tr>
<tr>
<td>032</td>
<td>0603251N</td>
<td>AIRCRAFT SYSTEMS</td>
<td>695</td>
<td>695</td>
<td></td>
</tr>
<tr>
<td>033</td>
<td>0603244N</td>
<td>ASW SYSTEMS DEVELOPMENT</td>
<td>7,861</td>
<td>7,861</td>
<td></td>
</tr>
<tr>
<td>034</td>
<td>0603281N</td>
<td>TACTICAL AIR DEFENSE INTELLIGENCE/COMMS</td>
<td>3,707</td>
<td>3,707</td>
<td></td>
</tr>
<tr>
<td>035</td>
<td>0603282N</td>
<td>ADVANCED COMBAT SYSTEMS TECHNOLOGY</td>
<td>61,381</td>
<td>61,381</td>
<td></td>
</tr>
<tr>
<td>036</td>
<td>0603289N</td>
<td>SURFACE AND SHALLOW WATER MINING COUNTERMEASURES</td>
<td>154,117</td>
<td>116,117</td>
<td></td>
</tr>
<tr>
<td>037</td>
<td></td>
<td>Reduce Harvaelda</td>
<td></td>
<td>(10,000)</td>
<td></td>
</tr>
<tr>
<td>038</td>
<td>0603306N</td>
<td>SURFACE SHIP TORPEDO DEFENSE</td>
<td>14,974</td>
<td>14,974</td>
<td></td>
</tr>
<tr>
<td>039</td>
<td>0603312N</td>
<td>CARRIER SYSTEMS DEVELOPMENT</td>
<td>9,296</td>
<td>9,296</td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>0603325N</td>
<td>PILOT FISH</td>
<td>122,983</td>
<td>122,983</td>
<td></td>
</tr>
<tr>
<td>041</td>
<td>0603327N</td>
<td>RESEARCH LAB</td>
<td>15,407</td>
<td>15,407</td>
<td></td>
</tr>
<tr>
<td>042</td>
<td>0603369N</td>
<td>RESEARCH JUPITER</td>
<td>122,431</td>
<td>122,431</td>
<td></td>
</tr>
<tr>
<td>043</td>
<td>0603424N</td>
<td>RADIOLOGICAL CONTROL</td>
<td>745</td>
<td>745</td>
<td></td>
</tr>
<tr>
<td>044</td>
<td>0603523N</td>
<td>SURFACE ASSISTANCE</td>
<td>1,136</td>
<td>1,136</td>
<td></td>
</tr>
<tr>
<td>045</td>
<td>0603516N</td>
<td>ADVANCED SUBMARINE SYSTEM DEVELOPMENT</td>
<td>100,955</td>
<td>100,955</td>
<td></td>
</tr>
<tr>
<td>046</td>
<td>0603526N</td>
<td>SUBMARINE TACTICAL WARFARE SYSTEMS</td>
<td>13,834</td>
<td>13,834</td>
<td></td>
</tr>
<tr>
<td>047</td>
<td>0603531N</td>
<td>SHIP CONCEPT ADVANCED DESIGN</td>
<td>36,991</td>
<td>36,991</td>
<td></td>
</tr>
<tr>
<td>048</td>
<td>0603534N</td>
<td>SHIP PRELIMINARY DESIGN &amp; FEASIBILITY STUDIES</td>
<td>12,012</td>
<td>42,012</td>
<td></td>
</tr>
<tr>
<td>049</td>
<td></td>
<td>Aircraft carrier preliminary design</td>
<td></td>
<td>(30,000)</td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>0603570N</td>
<td>ADVANCED NUCLEAR POWER SYSTEMS</td>
<td>329,300</td>
<td>329,500</td>
<td></td>
</tr>
<tr>
<td>051</td>
<td>0603573N</td>
<td>ADVANCED ELECTRONIC MACHINERY SYSTEMS</td>
<td>29,953</td>
<td>29,953</td>
<td></td>
</tr>
<tr>
<td>052</td>
<td>0603576N</td>
<td>CHALK EAGLE</td>
<td>191,610</td>
<td>191,610</td>
<td></td>
</tr>
<tr>
<td>053</td>
<td>0603581N</td>
<td>LITTORAL COMBAT SHIP (LCS)</td>
<td>40,991</td>
<td>40,991</td>
<td></td>
</tr>
<tr>
<td>054</td>
<td>0603582N</td>
<td>CUBIC SYSTEM INTEGRATION</td>
<td>24,674</td>
<td>24,674</td>
<td></td>
</tr>
<tr>
<td>055</td>
<td>0603583N</td>
<td>OHIO REPLACEMENT</td>
<td>774,127</td>
<td>774,127</td>
<td></td>
</tr>
<tr>
<td>056</td>
<td>0603586N</td>
<td>LU PROFICIENCY MODULES</td>
<td>116,871</td>
<td>116,871</td>
<td></td>
</tr>
<tr>
<td>057</td>
<td>0603587N</td>
<td>AUTOMATED TEST AND ANALYSIS</td>
<td>8,052</td>
<td>8,052</td>
<td></td>
</tr>
<tr>
<td>058</td>
<td>0603595N</td>
<td>FRIGATE DEVELOPMENT</td>
<td>141,450</td>
<td>141,450</td>
<td></td>
</tr>
<tr>
<td>059</td>
<td>0603598N</td>
<td>CONVENTIONAL MUNITIONS</td>
<td>8,909</td>
<td>8,909</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>0603635N</td>
<td>MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM</td>
<td>1,428</td>
<td>1,428</td>
<td></td>
</tr>
<tr>
<td>061</td>
<td>0603654N</td>
<td>JOINT SERVICE EXPLOSIVE ORDnANCE DEVELOPMENT</td>
<td>53,367</td>
<td>53,367</td>
<td></td>
</tr>
<tr>
<td>062</td>
<td>0603718N</td>
<td>OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT</td>
<td>8,212</td>
<td>8,212</td>
<td></td>
</tr>
<tr>
<td>063</td>
<td>0603721N</td>
<td>ENVIRONMENTAL PROTECTION</td>
<td>20,214</td>
<td>20,214</td>
<td></td>
</tr>
<tr>
<td>064</td>
<td>0603722N</td>
<td>NAVY ENERGY PROGRAM</td>
<td>50,623</td>
<td>50,623</td>
<td></td>
</tr>
<tr>
<td>065</td>
<td>0603723N</td>
<td>FUTURES PROGRESS</td>
<td>2,837</td>
<td>2,837</td>
<td></td>
</tr>
<tr>
<td>066</td>
<td>0603724N</td>
<td>CHALK CORAL</td>
<td>245,143</td>
<td>245,143</td>
<td></td>
</tr>
<tr>
<td>067</td>
<td>0603725N</td>
<td>NAVYLOGISTIC PRODUCTIVITY</td>
<td>2,995</td>
<td>2,995</td>
<td></td>
</tr>
<tr>
<td>068</td>
<td>0603726N</td>
<td>RESEARCH MAPLE</td>
<td>306,101</td>
<td>306,101</td>
<td></td>
</tr>
<tr>
<td>069</td>
<td>0603727N</td>
<td>LINK PTMERSA</td>
<td>255,675</td>
<td>255,675</td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>0603728N</td>
<td>RESEARCH RELM</td>
<td>55,691</td>
<td>55,691</td>
<td></td>
</tr>
<tr>
<td>071</td>
<td>0603734N</td>
<td>LINK RVSEHIREN</td>
<td>48,982</td>
<td>48,982</td>
<td></td>
</tr>
<tr>
<td>072</td>
<td>0603736N</td>
<td>NAVY RESEARCH AND DEVELOPMENT</td>
<td>9,099</td>
<td>9,099</td>
<td></td>
</tr>
<tr>
<td>073</td>
<td>0603737N</td>
<td>LAND ATTACk TECHNOLOGY</td>
<td>33,568</td>
<td>33,568</td>
<td></td>
</tr>
<tr>
<td>074</td>
<td>0603738N</td>
<td>JOINT NON-LETHAL WEAPONS TESTING</td>
<td>29,873</td>
<td>29,873</td>
<td></td>
</tr>
<tr>
<td>075</td>
<td>0603739N</td>
<td>JOINT PRECISION APPROACH AND LAND SYSTEMS—DSSM VAL.</td>
<td>106,391</td>
<td>106,391</td>
<td></td>
</tr>
<tr>
<td>076</td>
<td>0603740N</td>
<td>DIRECTED ENERGY AND ELECTRIC WEAPONS SYSTEMS</td>
<td>107,310</td>
<td>122,310</td>
<td></td>
</tr>
<tr>
<td>077</td>
<td>0603741N</td>
<td>ADVANCED ELECTRONIC WEAPONS SYSTEMS</td>
<td></td>
<td>(15,000)</td>
<td></td>
</tr>
<tr>
<td>078</td>
<td>0603742N</td>
<td>TACTICAL AIR DEFENSIVE INFRARED SYSTEMS (TADIRCM)</td>
<td>46,844</td>
<td>46,844</td>
<td></td>
</tr>
<tr>
<td>079</td>
<td>0603743N</td>
<td>MARINE CORPS ADDITIVE MANUFACTURING TECHNOLOGY DEVELOPMENT</td>
<td>6,200</td>
<td>6,200</td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>0603744N</td>
<td>RAPID TECHNOLOGY CAPABILITY PROTOTYPE</td>
<td>7,055</td>
<td>7,055</td>
<td></td>
</tr>
<tr>
<td>081</td>
<td>0603745N</td>
<td>increases rapid acquisition capability for Marine Corps Warfighting Lab.</td>
<td>10,000</td>
<td>10,000</td>
<td></td>
</tr>
<tr>
<td>082</td>
<td>0603746N</td>
<td>LX (L)</td>
<td>9,578</td>
<td>9,578</td>
<td></td>
</tr>
<tr>
<td>083</td>
<td>0603747N</td>
<td>ADVANCED UNDERSEA PROTOTYPING</td>
<td>66,341</td>
<td>66,341</td>
<td></td>
</tr>
<tr>
<td>084</td>
<td>0603748N</td>
<td>PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM</td>
<td>31,315</td>
<td>31,315</td>
<td></td>
</tr>
<tr>
<td>085</td>
<td>0603749N</td>
<td>SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE ENGINEERING SUPPORT</td>
<td>42,851</td>
<td>42,851</td>
<td></td>
</tr>
<tr>
<td>086</td>
<td>0603750N</td>
<td>OFFENSIVE ANTI-SURFACE WEAPONS DEVELOPMENT</td>
<td>160,949</td>
<td>160,949</td>
<td></td>
</tr>
<tr>
<td>087</td>
<td>0603751N</td>
<td>ASW SYSTEMS DEVELOPMENT—MIP</td>
<td>8,278</td>
<td>8,278</td>
<td></td>
</tr>
<tr>
<td>088</td>
<td>0603752N</td>
<td>ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM</td>
<td>7,979</td>
<td>7,979</td>
<td></td>
</tr>
<tr>
<td>089</td>
<td>0603753N</td>
<td>ELECTRONIC WARFARE DEVELOPMENT—MIP</td>
<td>527</td>
<td>527</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td></td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>4,218,714</td>
<td>4,212,714</td>
<td></td>
</tr>
</tbody>
</table>

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>090</td>
<td></td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>4,218,714</td>
<td>4,212,714</td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item Description</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>096</td>
<td>0603208N</td>
<td>TRAINING SYSTEM AIRRAFT</td>
<td>16,945</td>
<td>16,945</td>
</tr>
<tr>
<td>097</td>
<td>0603212N</td>
<td>OTHER HELICOPTER DEVELOPMENT</td>
<td>26,766</td>
<td>26,766</td>
</tr>
<tr>
<td>098</td>
<td>0603214N</td>
<td>JV-22 AIRCRAFT-ENG DRV</td>
<td>48,780</td>
<td>48,780</td>
</tr>
<tr>
<td>099</td>
<td>0603215N</td>
<td>STANDARDS DEVELOPMENT</td>
<td>2,722</td>
<td>2,722</td>
</tr>
<tr>
<td>100</td>
<td>0603216N</td>
<td>MULTI-MISSION HELICOPTER</td>
<td>5,371</td>
<td>5,371</td>
</tr>
<tr>
<td>101</td>
<td>0603217N</td>
<td>AEROSPACE EQUIPMENT ENGINEERING</td>
<td>782</td>
<td>782</td>
</tr>
<tr>
<td>102</td>
<td>060321N</td>
<td>P-3 MODERNIZATION PROGRAM</td>
<td>1,341</td>
<td>1,341</td>
</tr>
<tr>
<td>103</td>
<td>0603203N</td>
<td>WARFARE SUPPORT SYSTEM</td>
<td>14,167</td>
<td>14,167</td>
</tr>
<tr>
<td>104</td>
<td>0603213N</td>
<td>TACTICAL COMMAND SYSTEM</td>
<td>53,685</td>
<td>53,685</td>
</tr>
<tr>
<td>105</td>
<td>0603214N</td>
<td>ADVANCED TECHNOLOGY</td>
<td>295,355</td>
<td>295,355</td>
</tr>
<tr>
<td>106</td>
<td>0603215N</td>
<td>II-1 UPGRADES</td>
<td>61,288</td>
<td>61,288</td>
</tr>
<tr>
<td>107</td>
<td>0603216N</td>
<td>ACOUSTIC SEARCH SENSORS</td>
<td>37,167</td>
<td>37,167</td>
</tr>
<tr>
<td>108</td>
<td>0603217N</td>
<td>V-22A</td>
<td>173,186</td>
<td>166,366</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**System Development & Demonstration**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item Description</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>109</td>
<td>0603215N</td>
<td>AIRCREW SYSTEMS DEVELOPMENT</td>
<td>13,255</td>
<td>33,255</td>
</tr>
<tr>
<td>110</td>
<td>0603216N</td>
<td>AIRCRAFT Sensor Improvements</td>
<td>(10,000)</td>
<td>(10,000)</td>
</tr>
<tr>
<td>111</td>
<td>0603217N</td>
<td>PHYSIOLOGICAL EJECTION</td>
<td>143,855</td>
<td>143,855</td>
</tr>
<tr>
<td>112</td>
<td>0603218N</td>
<td>SPACEborne TECHNOLOGY</td>
<td>25,443</td>
<td>25,443</td>
</tr>
<tr>
<td>113</td>
<td>0603219N</td>
<td>SUBMARINE TACTICAL WARFARE SYSTEM</td>
<td>25,443</td>
<td>25,443</td>
</tr>
<tr>
<td>114</td>
<td>0603220N</td>
<td>ADVANCED HELICOPTER DEVELOPMENT</td>
<td>82,000</td>
<td>82,000</td>
</tr>
<tr>
<td>115</td>
<td>0603221N</td>
<td>NAVAL INTEGRATED FIRE CONTROL-NAVY</td>
<td>50,000</td>
<td>50,000</td>
</tr>
<tr>
<td>116</td>
<td>0603222N</td>
<td>AIRBORNE MCM</td>
<td>15,734</td>
<td>15,734</td>
</tr>
<tr>
<td>117</td>
<td>0603223N</td>
<td>LIGHTWEIGHT TURBOPRO DEVELOPMENT</td>
<td>29,076</td>
<td>29,076</td>
</tr>
<tr>
<td>118</td>
<td>0603224N</td>
<td>PERSONNEL TRAINING, SIMULATION, AND HUMAN FACTORS</td>
<td>40,828</td>
<td>40,828</td>
</tr>
<tr>
<td>119</td>
<td>0603225N</td>
<td>AIRBORNE ELECTRONIC COMBAT</td>
<td>159,578</td>
<td>159,578</td>
</tr>
<tr>
<td>120</td>
<td>0603226N</td>
<td>ADVANCED ELECTRONIC DEVELOPMENT</td>
<td>130,981</td>
<td>130,981</td>
</tr>
<tr>
<td>121</td>
<td>0603227N</td>
<td>AIR CONTROL</td>
<td>75,168</td>
<td>75,168</td>
</tr>
<tr>
<td>122</td>
<td>0603228N</td>
<td>SHIPBOARD AVIATION SYSTEMS</td>
<td>177,926</td>
<td>177,926</td>
</tr>
<tr>
<td>123</td>
<td>0603229N</td>
<td>COMBAT INFORMATION CENTER CONVERSION</td>
<td>8,062</td>
<td>8,062</td>
</tr>
<tr>
<td>124</td>
<td>0603230N</td>
<td>AIR AND MISSILE DEFENSE RADAR</td>
<td>32,000</td>
<td>32,000</td>
</tr>
<tr>
<td>125</td>
<td>0603231N</td>
<td>NAVIGATION/ID SYSTEM</td>
<td>120,087</td>
<td>120,087</td>
</tr>
<tr>
<td>126</td>
<td>0603232N</td>
<td>SUBMARINE TACTICAL WARFARE SYSTEM</td>
<td>50,000</td>
<td>50,000</td>
</tr>
<tr>
<td>127</td>
<td>0603233N</td>
<td>SHIP CONTRACT DESIGN</td>
<td>67,166</td>
<td>67,166</td>
</tr>
<tr>
<td>128</td>
<td>0603234N</td>
<td>NAVY TACTICAL COMBAT RESOURCES</td>
<td>4,817</td>
<td>4,817</td>
</tr>
<tr>
<td>129</td>
<td>0603235N</td>
<td>VIRGINIA FLYING MODULE</td>
<td>72,963</td>
<td>72,963</td>
</tr>
<tr>
<td>130</td>
<td>0603236N</td>
<td>MINE DEVELOPMENT</td>
<td>25,635</td>
<td>25,635</td>
</tr>
<tr>
<td>131</td>
<td>0603237N</td>
<td>LIGHTWEIGHT TURBOPRO DEVELOPMENT</td>
<td>20,076</td>
<td>20,076</td>
</tr>
<tr>
<td>132</td>
<td>0603238N</td>
<td>PERSONNEL TRAINING, SIMULATION, AND HUMAN FACTORS</td>
<td>40,828</td>
<td>40,828</td>
</tr>
<tr>
<td>133</td>
<td>0603239N</td>
<td>AIRBORNE ELECTRONIC COMBAT</td>
<td>159,578</td>
<td>159,578</td>
</tr>
<tr>
<td>134</td>
<td>0603240N</td>
<td>AIR CONTROL</td>
<td>75,168</td>
<td>75,168</td>
</tr>
<tr>
<td>135</td>
<td>0603241N</td>
<td>SHIPBOARD AVIATION SYSTEMS</td>
<td>177,926</td>
<td>177,926</td>
</tr>
<tr>
<td>136</td>
<td>0603242N</td>
<td>COMBAT INFORMATION CENTER CONVERSION</td>
<td>8,062</td>
<td>8,062</td>
</tr>
<tr>
<td>137</td>
<td>0603243N</td>
<td>AIR AND MISSILE DEFENSE RADAR</td>
<td>32,000</td>
<td>32,000</td>
</tr>
<tr>
<td>138</td>
<td>0603244N</td>
<td>NAVIGATION/ID SYSTEM</td>
<td>120,087</td>
<td>120,087</td>
</tr>
<tr>
<td>139</td>
<td>0603245N</td>
<td>SUBMARINE TACTICAL WARFARE SYSTEM</td>
<td>50,000</td>
<td>50,000</td>
</tr>
<tr>
<td>140</td>
<td>0603246N</td>
<td>SHIP CONTRACT DESIGN</td>
<td>67,166</td>
<td>67,166</td>
</tr>
<tr>
<td>141</td>
<td>0603247N</td>
<td>NAVY TACTICAL COMBAT RESOURCES</td>
<td>4,817</td>
<td>4,817</td>
</tr>
<tr>
<td>142</td>
<td>0603248N</td>
<td>VIRGINIA FLYING MODULE</td>
<td>72,963</td>
<td>72,963</td>
</tr>
<tr>
<td>143</td>
<td>0603249N</td>
<td>MINE DEVELOPMENT</td>
<td>25,635</td>
<td>25,635</td>
</tr>
<tr>
<td>144</td>
<td>0603250N</td>
<td>LIGHTWEIGHT TURBOPRO DEVELOPMENT</td>
<td>20,076</td>
<td>20,076</td>
</tr>
<tr>
<td>145</td>
<td>0603251N</td>
<td>PERSONNEL TRAINING, SIMULATION, AND HUMAN FACTORS</td>
<td>40,828</td>
<td>40,828</td>
</tr>
<tr>
<td>146</td>
<td>0603252N</td>
<td>AIRBORNE ELECTRONIC COMBAT</td>
<td>159,578</td>
<td>159,578</td>
</tr>
<tr>
<td>147</td>
<td>0603253N</td>
<td>AIR CONTROL</td>
<td>75,168</td>
<td>75,168</td>
</tr>
<tr>
<td>148</td>
<td>0603254N</td>
<td>SHIPBOARD AVIATION SYSTEMS</td>
<td>177,926</td>
<td>177,926</td>
</tr>
<tr>
<td>149</td>
<td>0603255N</td>
<td>COMBAT INFORMATION CENTER CONVERSION</td>
<td>8,062</td>
<td>8,062</td>
</tr>
<tr>
<td>150</td>
<td>0603256N</td>
<td>AIR AND MISSILE DEFENSE RADAR</td>
<td>32,000</td>
<td>32,000</td>
</tr>
<tr>
<td>151</td>
<td>0603257N</td>
<td>NAVIGATION/ID SYSTEM</td>
<td>120,087</td>
<td>120,087</td>
</tr>
<tr>
<td>152</td>
<td>0603258N</td>
<td>SUBMARINE TACTICAL WARFARE SYSTEM</td>
<td>50,000</td>
<td>50,000</td>
</tr>
<tr>
<td>153</td>
<td>0603259N</td>
<td>SHIP CONTRACT DESIGN</td>
<td>67,166</td>
<td>67,166</td>
</tr>
<tr>
<td>154</td>
<td>0603260N</td>
<td>NAVY TACTICAL COMBAT RESOURCES</td>
<td>4,817</td>
<td>4,817</td>
</tr>
<tr>
<td>155</td>
<td>0603261N</td>
<td>VIRGINIA FLYING MODULE</td>
<td>72,963</td>
<td>72,963</td>
</tr>
<tr>
<td>156</td>
<td>0603262N</td>
<td>MINE DEVELOPMENT</td>
<td>25,635</td>
<td>25,635</td>
</tr>
</tbody>
</table>
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

(90,000)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>161</td>
<td>0605413M</td>
<td>JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT &amp; DEMONSTRATION</td>
<td>20,710</td>
<td>20,710</td>
</tr>
<tr>
<td>164</td>
<td>0204292N</td>
<td>DKG–1000</td>
<td>140,500</td>
<td>140,500</td>
</tr>
<tr>
<td>168</td>
<td>0204253M</td>
<td>TACTICAL CRYPTOLOGIC SYSTEMS</td>
<td>28,311</td>
<td>28,311</td>
</tr>
<tr>
<td>170</td>
<td>0306250M</td>
<td>CYBER OPERATIONS TECHNOLOGY DEVELOPMENT</td>
<td>4,502</td>
<td>4,502</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</strong></td>
<td></td>
<td><strong>6,362,102</strong></td>
<td><strong>6,554,002</strong></td>
</tr>
</tbody>
</table>

#### MANAGEMENT SUPPORT

171  | 0605126N        | JOINT THREAT SIMULATOR DEVELOPMENT | 91,819 | 91,819 |
| 172  | 0605268N        | TACTOR SYSTEMS DEVELOPMENT | 23,051 | 23,051 |
| 173  | 0604759N        | MAJOR THR INVESTMENT | 52,614 | 59,614 |

Program increase [(7,000)]

| 174  | 0605312N        | STANDOFF BOMBS AND UNDERGROUND DEFENSE ORGANIZATION | 141 | 141 |
| 175  | 0605315N        | STUDIES AND ANALYSIS SUPPORT—NAVY | 3,917 | 3,917 |
| 176  | 0605314N        | CENTER FOR NAVAL ANALYSIS | 50,432 | 50,432 |
| 179  | 0605341N        | TECHNICAL INFORMATION SERVICES | 782 | 782 |
| 180  | 0605343N        | MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT | 94,562 | 94,562 |
| 181  | 0605346N        | STRATEGIC PLANNING SUPPORT | 4,313 | 4,313 |

Program increase [(1,104)]

| 182  | 0605347N        | RITER SCIENCE AND TECHNOLOGY MANAGEMENT | 1,104 | 1,104 |
| 183  | 0605348N        | RITER SHIP AND AIRCRAFT SUPPORT | 105,666 | 105,666 |
| 184  | 0605349N        | TEST AND EVALUATION SUPPORT | 373,667 | 415,667 |

Program reduction—delayed procurement rates [10,000]

| 185  | 0605350N        | OPERATIONAL TEST AND EVALUATION CAPABILITY | 20,298 | 20,298 |
| 186  | 0605351N        | NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT | 17,341 | 17,341 |
| 187  | 0605352N        | MINOR PROGRAM WIDE SUPPORT | 21,751 | 21,751 |
| 188  | 0605353N        | MANAGEMENT—R&D | 44,279 | 44,279 |
| 189  | 0605354N        | WIRELESS INNOVATION MANAGEMENT | 28,841 | 28,841 |

Program reduction—delayed procurement rates [7,000]

| 190  | 0605355N        | MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES) | 1,749 | 1,749 |
| 191  | 1206667N        | SEW SURVEILLANCE/EERONASSISTANCE SUPPORT | 9,408 | 9,408 |

**SUBTOTAL MANAGEMENT SUPPORT** | 945,757 | 992,757 |

#### OPERATIONAL SYSTEMS DEVELOPMENT

196  | 0607405N        | COOPERATIVE ENHANCED CAPABILITY (CEC) | 92,571 | 103,571 |
| 197  | 0607799N        | DEPLOYABLE JOINT COMMAND AND CONTROL | 3,137 | 3,137 |
| 198  | 0101921N        | STRATEGIC SUBSYSTEMS SYSTEM SUPPORT | 135,219 | 135,219 |
| 199  | 0101922N        | NAVY SECURITY TECHNOLOGY PROGRAM | 36,242 | 36,242 |
| 200  | 0101923N        | SURFACE AIR ASW/COMBAT SYSTEM INTEGRATION | 12,053 | 12,053 |
| 201  | 0101924N        | NAVY STRATEGIC COMMUNICATIONS SYSTEMS | 18,221 | 18,221 |
| 202  | 0204136N        | F/A-18 SQUADRON SUPPORT | 224,470 | 216,470 |

Program reduction—delayed procurement rates [8,428]

| 203  | 0204137N        | FLEET TELECOMMUNICATIONS (TACTICAL) | 33,525 | 33,525 |
| 204  | 0204225N        | SURFACE SUPPORT | 24,829 | 24,829 |
| 205  | 0204229N        | TOMAHAWK AND TOMAHAWK MISSILE PLANNING CENTER (TMPC) | 133,617 | 142,617 |

**TOTAL OPERATIONAL SYSTEMS DEVELOPMENT** | 945,757 | 992,757 |

Unfunded requirement—AARGM Derivative Program [10,000]

| 214  | 0206640N        | TACTICAL DATA LINKS | 89,552 | 89,552 |
| 215  | 0206642N        | SURFACE ASW COMBAT SYSTEM INTEGRATION | 29,351 | 29,351 |
| 216  | 0206643N        | MK-48 ADCAP | 68,553 | 68,553 |
| 217  | 0206644N        | AVIATION IMPROVEMENTS | 119,099 | 119,099 |
| 218  | 0206645N        | OPERATIONAL NUCLEAR POWER SYSTEMS | 127,445 | 127,445 |
| 219  | 0206646N        | MARINE CORPS COMMUNICATIONS SYSTEMS | 123,625 | 123,625 |
| 220  | 0306010N        | COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S) | 7,341 | 7,341 |

Unfunded requirement—AAMX Derivative Program [9,000]

| 221  | 0206647N        | MARINE CORPS GROUND COMBAT SUPPORTING ARMS SYSTEMS | 66,009 | 66,009 |
| 222  | 0206648N        | MARINE CORPS COMBAT SUPPORT | 25,258 | 25,258 |
| 223  | 0206649N        | USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP) | 30,886 | 30,886 |
| 224  | 0206650N        | AMPHIBIOUS ASSAULT VEHICLE | 68,553 | 68,553 |

Unfunded requirement—AAMX-BR II Systems Improvement program [9,000]

| 225  | 0206651N        | TACTICAL ASR SYSTEMS | 42,884 | 51,884 |

Unfunded requirement—AAMX-BR II Systems Improvement program [9,000]

| 226  | 0206652N        | ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) | 25,364 | 25,364 |
| 227  | 0206653N        | CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES | 24,271 | 24,271 |
| 228  | 0206654N        | INFORMATION SYSTEMS SECURITY PROGRAM | 50,269 | 50,269 |
| 229  | 0206655N        | MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES | 6,352 | 6,352 |

**TOTAL OPERATIONAL SYSTEMS DEVELOPMENT** | 945,757 | 992,757 |
## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>237</td>
<td>0305284N</td>
<td>TACTICAL UNMANNED AERIAL VEHICLES</td>
<td>7,770</td>
<td>7,770</td>
</tr>
<tr>
<td>238</td>
<td>0305285N</td>
<td>UAV INTEGRATION AND INTEROPERABILITY</td>
<td>39,736</td>
<td>39,736</td>
</tr>
<tr>
<td>239</td>
<td>0305286M</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>12,867</td>
<td>12,867</td>
</tr>
<tr>
<td>240</td>
<td>0305288N</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>46,150</td>
<td>46,150</td>
</tr>
<tr>
<td>241</td>
<td>0305290N</td>
<td>MQ-4C TRIDENT</td>
<td>84,115</td>
<td>84,115</td>
</tr>
<tr>
<td>242</td>
<td>0305291N</td>
<td>MQ-8 CAV</td>
<td>62,656</td>
<td>62,656</td>
</tr>
<tr>
<td>243</td>
<td>0305292M</td>
<td>RQ-11 CAV</td>
<td>2,022</td>
<td>2,022</td>
</tr>
<tr>
<td>244</td>
<td>0305294N</td>
<td>SMALL (LEVEL 6) TACTICAL UAV (STUAN6)</td>
<td>4,835</td>
<td>4,835</td>
</tr>
<tr>
<td>245</td>
<td>0305295M</td>
<td>RQ-21A</td>
<td>8,899</td>
<td>8,899</td>
</tr>
<tr>
<td>246</td>
<td>0305297N</td>
<td>MULTI-INTELLIGENCE SENSOR DEVELOPMENT</td>
<td>99,020</td>
<td>99,020</td>
</tr>
<tr>
<td>248</td>
<td>0305298M</td>
<td>UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)</td>
<td>18,578</td>
<td>18,578</td>
</tr>
<tr>
<td>249</td>
<td>0305299N</td>
<td>MQ-9 MODERNIZATION</td>
<td>229,404</td>
<td>229,404</td>
</tr>
<tr>
<td>250</td>
<td>0306001N</td>
<td>MODELING AND SIMULATION SUPPORT</td>
<td>5,238</td>
<td>5,238</td>
</tr>
<tr>
<td>251</td>
<td>0702807N</td>
<td>DREV/M MAINTENANCE (NON-IF)</td>
<td>38,227</td>
<td>38,227</td>
</tr>
<tr>
<td>252</td>
<td>0706730N</td>
<td>MARITIME TECHNOLOGY (MARITECH)</td>
<td>4,088</td>
<td>4,088</td>
</tr>
<tr>
<td>253</td>
<td>1201809N</td>
<td>SATELLITE COMMUNICATIONS (SPACE)</td>
<td>37,836</td>
<td>37,836</td>
</tr>
</tbody>
</table>

**SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT** | 4,040,140 | 4,070,712 |

**TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY** | 17,735,035 | 18,050,765 |

### RESEARCH, DEVELOPMENT, TEST & EVAL, AF

#### BASIC RESEARCH

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>0601102F</td>
<td>DEFENSE RESEARCH SCIENCES</td>
<td>342,919</td>
<td>342,919</td>
</tr>
<tr>
<td>002</td>
<td>0601103F</td>
<td>UNIVERSITY RESEARCH INITIATIVES</td>
<td>147,923</td>
<td>147,923</td>
</tr>
<tr>
<td>003</td>
<td>0601108F</td>
<td>HIGH ENERGY LASER RESEARCH INITIATIVES</td>
<td>14,417</td>
<td>14,417</td>
</tr>
</tbody>
</table>

**SUBTOTAL BASIC RESEARCH** | 505,259 | 505,259 |

#### APPLIED RESEARCH

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>004</td>
<td>0602002F</td>
<td>MATERIALS</td>
<td>124,264</td>
<td>124,264</td>
</tr>
<tr>
<td>005</td>
<td>0602201F</td>
<td>AEROSPACE VEHICLE TECHNOLOGIES</td>
<td>124,878</td>
<td>124,878</td>
</tr>
<tr>
<td>006</td>
<td>0602202F</td>
<td>HUMAN EFFECTIVENESS APPLIED RESEARCH</td>
<td>108,784</td>
<td>128,284</td>
</tr>
<tr>
<td>007</td>
<td>0602210F</td>
<td>AEROSPACE PROPULSION</td>
<td>192,695</td>
<td>192,695</td>
</tr>
<tr>
<td>008</td>
<td>0602214F</td>
<td>SCIENCE AND TECHNOLOGY MANAGEMENT— MAJOR HEADQUARTERS ACTIVITIES</td>
<td>8,353</td>
<td>8,353</td>
</tr>
<tr>
<td>010</td>
<td>0602601F</td>
<td>SPACE TECHNOLOGY</td>
<td>116,501</td>
<td>116,501</td>
</tr>
<tr>
<td>011</td>
<td>0602602F</td>
<td>CONVENTIONAL SENSORS</td>
<td>112,195</td>
<td>112,195</td>
</tr>
<tr>
<td>012</td>
<td>0602603F</td>
<td>DIRECTED ENERGY TECHNOLOGY</td>
<td>132,981</td>
<td>141,293</td>
</tr>
<tr>
<td>013</td>
<td>0602605F</td>
<td>ADVANCED TRAINING ENVIRONMENTS</td>
<td>19,500</td>
<td>19,500</td>
</tr>
<tr>
<td>014</td>
<td>0602708F</td>
<td>DOMINANT INFORMATION SCIENCES AND METHODS</td>
<td>167,818</td>
<td>167,818</td>
</tr>
<tr>
<td>015</td>
<td>0602800F</td>
<td>HIGH ENERGY LASER RESEARCH</td>
<td>43,049</td>
<td>43,049</td>
</tr>
</tbody>
</table>

**SUBTOTAL APPLIED RESEARCH** | 1,254,114 | 1,254,414 |

#### ADVANCED TECHNOLOGY DEVELOPMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>015</td>
<td>0601112F</td>
<td>ADVANCED MATERIALS FOR WEAPON SYSTEMS</td>
<td>37,856</td>
<td>37,856</td>
</tr>
<tr>
<td>016</td>
<td>0601118F</td>
<td>SUSTAINMENT SCIENCE AND TECHNOLOGY (S&amp;T)</td>
<td>22,811</td>
<td>22,811</td>
</tr>
<tr>
<td>017</td>
<td>0601201F</td>
<td>ADVANCED AEROSPACE SENSORS</td>
<td>40,978</td>
<td>40,978</td>
</tr>
<tr>
<td>018</td>
<td>0601211F</td>
<td>AEROSPACE TECHNOLOGY DIVIDE</td>
<td>117,302</td>
<td>117,302</td>
</tr>
<tr>
<td>019</td>
<td>0601212F</td>
<td>AEROSPACE PROPULSION AND POWER TECHNOLOGY</td>
<td>104,199</td>
<td>104,199</td>
</tr>
<tr>
<td>020</td>
<td>0601270F</td>
<td>ELECTRONIC COMBAT TECHNOLOGY</td>
<td>60,551</td>
<td>60,551</td>
</tr>
<tr>
<td>021</td>
<td>0601400F</td>
<td>ADVANCED SPACECRAFT TECHNOLOGY</td>
<td>56,510</td>
<td>56,510</td>
</tr>
<tr>
<td>022</td>
<td>0601440F</td>
<td>SPACE SURVEILLANCE SYSTEM (MSSS)</td>
<td>10,413</td>
<td>10,413</td>
</tr>
<tr>
<td>023</td>
<td>0601506F</td>
<td>HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>33,635</td>
<td>33,635</td>
</tr>
<tr>
<td>024</td>
<td>0601508F</td>
<td>CONVENTIONAL WEAPONS TECHNOLOGY</td>
<td>167,415</td>
<td>167,415</td>
</tr>
<tr>
<td>025</td>
<td>0601509F</td>
<td>ADVANCED WEAPONS TECHNOLOGY</td>
<td>45,502</td>
<td>45,502</td>
</tr>
<tr>
<td>026</td>
<td>0601500F</td>
<td>MANUFACTURING TECHNOLOGY PROGRAM</td>
<td>46,150</td>
<td>46,150</td>
</tr>
<tr>
<td>027</td>
<td>0601708F</td>
<td>BATTLESPACE KNOWLEDGE DEVELOPMENT AND AGENDA SETTING</td>
<td>40,124</td>
<td>40,124</td>
</tr>
</tbody>
</table>

**SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT** | 794,017 | 813,217 |

#### ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>028</td>
<td>0601501F</td>
<td>INTELLIGENCE ADVANCED DEVELOPMENT</td>
<td>5,652</td>
<td>5,652</td>
</tr>
<tr>
<td>029</td>
<td>0601502F</td>
<td>COMBAT IDENTIFICATION TECHNOLOGY</td>
<td>24,197</td>
<td>24,197</td>
</tr>
<tr>
<td>030</td>
<td>0601503F</td>
<td>NAIO RESEARCH AND DEVELOPMENT</td>
<td>5,853</td>
<td>5,853</td>
</tr>
<tr>
<td>031</td>
<td>0601511F</td>
<td>INTERCONTINENTAL BALLISTIC MISSILE—DEVELOPMENT</td>
<td>10,736</td>
<td>10,736</td>
</tr>
<tr>
<td>032</td>
<td>0601512F</td>
<td>POLLUTION PREVENTION—DEVELOPMENT</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>033</td>
<td>0601513F</td>
<td>LONG RANGE STRIKE—BOMBER</td>
<td>2,003,580</td>
<td>2,003,580</td>
</tr>
</tbody>
</table>

**TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF** | 17,735,035 | 18,050,765 |
## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>036</td>
<td>0604291F</td>
<td>INTEGRATED AVIONICS PLANNING AND DEVELOPMENT</td>
<td>65,458</td>
<td>65,458</td>
</tr>
<tr>
<td>037</td>
<td>0604257F</td>
<td>ADVANCED TECHNOLOGY AND SENSORS</td>
<td>68,719</td>
<td>94,919</td>
</tr>
<tr>
<td>038</td>
<td>0604288F</td>
<td>NATIONAL AEROSPACE AGENCY CENTER (NAOC) RECAP</td>
<td>7,850</td>
<td>7,850</td>
</tr>
<tr>
<td>039</td>
<td>0604317F</td>
<td>TECHNOLOGY TRANSFER</td>
<td>3,295</td>
<td>3,295</td>
</tr>
<tr>
<td>040</td>
<td>0604327F</td>
<td>HARD AND DEEPLY BURIED TACTICAL DEFEAT SYSTEM (HDBTDS) PROGRAM</td>
<td>17,365</td>
<td>17,365</td>
</tr>
<tr>
<td>041</td>
<td>0604414F</td>
<td>CYBER RESILIENCY OF WEAPONS SYSTEMS-ACS</td>
<td>32,253</td>
<td>42,453</td>
</tr>
<tr>
<td>042</td>
<td>0604736F</td>
<td>DEPLOYMENT &amp; DISTRIBUTION ENTERPRISE R&amp;D</td>
<td>26,222</td>
<td>26,222</td>
</tr>
<tr>
<td>043</td>
<td>0604515F</td>
<td>TRAC TRANSITION PROGRAM</td>
<td>840,650</td>
<td>979,650</td>
</tr>
<tr>
<td>044</td>
<td>0604419F</td>
<td>UFR: Directed Energy Prototyping</td>
<td>49,000</td>
<td>19,000</td>
</tr>
<tr>
<td>045</td>
<td>050220F</td>
<td>GROUND BASED STRATEGIC DEFEAT</td>
<td>235,721</td>
<td>215,721</td>
</tr>
<tr>
<td>046</td>
<td>0207110F</td>
<td>NEXT GENERATION AIR DOMINANCE</td>
<td>294,746</td>
<td>421,746</td>
</tr>
<tr>
<td>047</td>
<td>0287353F</td>
<td>THREE DIMENSIONAL LONG RANGE RADAR (3DLRR)</td>
<td>10,645</td>
<td>10,645</td>
</tr>
<tr>
<td>048</td>
<td>0305265F</td>
<td>COMMON DATA LINK EXECUTIVE AGENT (CDEA)</td>
<td>41,509</td>
<td>41,509</td>
</tr>
<tr>
<td>049</td>
<td>0306255F</td>
<td>CYBER OPERATIONS TECHNOLOGY DEVELOPMENT</td>
<td>316,787</td>
<td>316,787</td>
</tr>
<tr>
<td>050</td>
<td>0306413F</td>
<td>ENABLING CYBER ACTIVITIES</td>
<td>16,687</td>
<td>16,687</td>
</tr>
<tr>
<td>051</td>
<td>0408011F</td>
<td>SPECIAL TACTICS / COMBAT CONTROL</td>
<td>4,500</td>
<td>4,500</td>
</tr>
<tr>
<td>052</td>
<td>0901410F</td>
<td>CONTRACTING INFORMATION TECHNOLOGY SYSTEM</td>
<td>15,867</td>
<td>15,867</td>
</tr>
<tr>
<td>053</td>
<td>1201614F</td>
<td>NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT)</td>
<td>253,919</td>
<td>263,939</td>
</tr>
<tr>
<td>054</td>
<td>1201714F</td>
<td>UFR: Military GPS User Equipment Inc2</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>055</td>
<td>1206422F</td>
<td>WEATHER SYSTEM FOLLOW-ON</td>
<td>112,688</td>
<td>112,688</td>
</tr>
<tr>
<td>056</td>
<td>1206423F</td>
<td>SPACE SITUATION AWARENESS SYSTEMS</td>
<td>34,764</td>
<td>34,764</td>
</tr>
<tr>
<td>057</td>
<td>1206414F</td>
<td>MIDDLE EAST MILITARY SYSTEM</td>
<td>83,092</td>
<td>83,092</td>
</tr>
<tr>
<td>058</td>
<td>1206415F</td>
<td>SPACE CONTROL TECHNOLOGY</td>
<td>7,842</td>
<td>7,842</td>
</tr>
<tr>
<td>059</td>
<td>1206416F</td>
<td>AF UFR</td>
<td>[56,900]</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>1206736F</td>
<td>SPACE SECURITY &amp; DEFENSE PROGRAM</td>
<td>31,165</td>
<td>31,165</td>
</tr>
<tr>
<td>061</td>
<td>1206756F</td>
<td>PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)</td>
<td>18,150</td>
<td>18,150</td>
</tr>
<tr>
<td>062</td>
<td>1206765F</td>
<td>PROTECTED TACTICAL SERVICE (PTS)</td>
<td>24,201</td>
<td>24,201</td>
</tr>
<tr>
<td>063</td>
<td>1206763F</td>
<td>PROTECTED SATCOM SERVICES (PSCS)–AGGREGATED</td>
<td>16,000</td>
<td>16,000</td>
</tr>
<tr>
<td>064</td>
<td>1206757F</td>
<td>OPERATIONAL RESPONSIVE SPACE</td>
<td>[87,373]</td>
<td></td>
</tr>
</tbody>
</table>

### SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>065</td>
<td>0604289F</td>
<td>FUTURE ADVANCED WEAPON ANALYSES &amp; PROGRAMS</td>
<td>5,100</td>
<td>5,100</td>
</tr>
<tr>
<td>066</td>
<td>0604291F</td>
<td>INTEGRATED AVIONICS PLANNING AND DEVELOPMENT</td>
<td>101,201</td>
<td>101,201</td>
</tr>
<tr>
<td>067</td>
<td>0604222F</td>
<td>NUCLEAR WEAPONS SUPPORT</td>
<td>3,009</td>
<td>3,009</td>
</tr>
<tr>
<td>068</td>
<td>0604270F</td>
<td>ELECTRIC WARFARE DEVELOPMENT</td>
<td>2,241</td>
<td>2,241</td>
</tr>
<tr>
<td>069</td>
<td>0604233F</td>
<td>TACTICAL DATA NETWORKS ENTERPRISE</td>
<td>38,250</td>
<td>38,250</td>
</tr>
<tr>
<td>070</td>
<td>0604237F</td>
<td>PHYSICAL SECURITY EQUIPMENT</td>
<td>19,719</td>
<td>19,719</td>
</tr>
<tr>
<td>071</td>
<td>0604239F</td>
<td>SMALL DIAMETER BOOM (SDB)—EMD</td>
<td>38,979</td>
<td>38,979</td>
</tr>
<tr>
<td>072</td>
<td>0604249F</td>
<td>AEROSPACE ELECTRIC/TECHNICAL ATTACH</td>
<td>7,091</td>
<td>7,091</td>
</tr>
<tr>
<td>073</td>
<td>0604250F</td>
<td>ARMAMENT/ORDNANCE DEVELOPMENT</td>
<td>46,140</td>
<td>46,140</td>
</tr>
<tr>
<td>074</td>
<td>0604251F</td>
<td>UNFUNDING REQUIREMENTS</td>
<td>2,705</td>
<td>2,705</td>
</tr>
<tr>
<td>075</td>
<td>0604252F</td>
<td>AERIAL COMBAT SUPPORT</td>
<td>31,240</td>
<td>31,240</td>
</tr>
<tr>
<td>076</td>
<td>0604256F</td>
<td>LIFEMUPPORT SYSTEMS</td>
<td>9,060</td>
<td>9,060</td>
</tr>
<tr>
<td>077</td>
<td>0604253F</td>
<td>COMBAT TRAINING RANGES</td>
<td>87,530</td>
<td>87,530</td>
</tr>
<tr>
<td>078</td>
<td>0604288F</td>
<td>FEDERAL RESERVE</td>
<td>292,947</td>
<td>464,947</td>
</tr>
<tr>
<td>079</td>
<td>0604327F</td>
<td>LONG RANGE STANDOFF WEAPON</td>
<td>451,290</td>
<td>451,290</td>
</tr>
<tr>
<td>080</td>
<td>0604321F</td>
<td>CHAIN OF FLUX MODERNIZATION</td>
<td>175,991</td>
<td>175,991</td>
</tr>
<tr>
<td>081</td>
<td>0605013F</td>
<td>JOINT TACTICAL NETWORK CENTER (JTNC)</td>
<td>12,736</td>
<td>12,736</td>
</tr>
<tr>
<td>082</td>
<td>0605014F</td>
<td>JOINT TACTICAL NETWORK (JTN)</td>
<td>9,319</td>
<td>9,319</td>
</tr>
<tr>
<td>083</td>
<td>0605210F</td>
<td>F-22 MODERNIZATION INCREDIBLE 3.2B</td>
<td>13,600</td>
<td>13,600</td>
</tr>
<tr>
<td>084</td>
<td>0605212F</td>
<td>E-46</td>
<td>93,445</td>
<td>93,445</td>
</tr>
<tr>
<td>085</td>
<td>0605222F</td>
<td>ADVANCED PILOT TRAINING</td>
<td>105,999</td>
<td>105,999</td>
</tr>
<tr>
<td>086</td>
<td>0605229F</td>
<td>COMBAT RESCUE HELICOPTER</td>
<td>354,485</td>
<td>354,485</td>
</tr>
<tr>
<td>087</td>
<td>0605148F</td>
<td>AIR &amp; SPACE ENVIRONMENT CENTER 10-2 ECHOT</td>
<td>119,745</td>
<td>119,745</td>
</tr>
<tr>
<td>088</td>
<td>0605311F</td>
<td>B-2 DEFENSIVE MANAGEMENT SYSTEM</td>
<td>194,570</td>
<td>194,570</td>
</tr>
<tr>
<td>089</td>
<td>0605123F</td>
<td>NUCLEAR WEAPONS MODERNIZATION</td>
<td>91,237</td>
<td>91,237</td>
</tr>
<tr>
<td>090</td>
<td>0607174F</td>
<td>F-15 ECHOT</td>
<td>209,847</td>
<td>209,847</td>
</tr>
<tr>
<td>091</td>
<td>0607258F</td>
<td>STAND IN ATTACK WEAPON</td>
<td>3,100</td>
<td>3,100</td>
</tr>
<tr>
<td>092</td>
<td>0607261F</td>
<td>FULL COMBAT MISSION TRAINING</td>
<td>16,727</td>
<td>16,727</td>
</tr>
<tr>
<td>093</td>
<td>0607282F</td>
<td>JSTARS RECAP</td>
<td>417,201</td>
<td>417,201</td>
</tr>
<tr>
<td>094</td>
<td>0601310F</td>
<td>C-22 EXECUTIVE TRANSPORT RECAPITALIZATION</td>
<td>6,017</td>
<td>6,017</td>
</tr>
<tr>
<td>095</td>
<td>0601319F</td>
<td>PRESIDENTIAL AIRCRAFT RECAPITALIZATION (PAR)</td>
<td>434,069</td>
<td>434,069</td>
</tr>
<tr>
<td>096</td>
<td>0701212F</td>
<td>AUTOMATED TEST SYSTEMS</td>
<td>18,528</td>
<td>18,528</td>
</tr>
<tr>
<td>097</td>
<td>1201714F</td>
<td>COMBAT SURVIVOR RESCUE LOCATOR</td>
<td>24,967</td>
<td>24,967</td>
</tr>
</tbody>
</table>
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>114</td>
<td>1203940F</td>
<td>SPACE SITUATION AWARENESS OPERATIONS</td>
<td>10,929</td>
<td>10,929</td>
</tr>
<tr>
<td>115</td>
<td>1206421F</td>
<td>COUNTERSPACE SYSTEMS</td>
<td>66,370</td>
<td>66,370</td>
</tr>
<tr>
<td>116</td>
<td>1206423F</td>
<td>SPACE SITUATION AWARENESS SYSTEMS</td>
<td>48,448</td>
<td>48,448</td>
</tr>
<tr>
<td>117</td>
<td>1206425F</td>
<td>SPACE FENCE</td>
<td>35,937</td>
<td>35,937</td>
</tr>
<tr>
<td>118</td>
<td>1206431F</td>
<td>ADVANCED EHF MILSATCOM (SPACE)</td>
<td>145,630</td>
<td>145,630</td>
</tr>
<tr>
<td>119</td>
<td>1206442F</td>
<td>POLAR MILSATCOM (SPACE)</td>
<td>33,644</td>
<td>33,644</td>
</tr>
<tr>
<td>120</td>
<td>1206433F</td>
<td>WIDEBAND GLOBAL SATCOM (SPACE)</td>
<td>14,263</td>
<td>14,263</td>
</tr>
<tr>
<td>121</td>
<td>1206441F</td>
<td>SPACE BASED INFRARED SYSTEM (SHIBS) HIGH EMD</td>
<td>313,844</td>
<td>313,844</td>
</tr>
<tr>
<td>122</td>
<td>1206442F</td>
<td>EVOLVED SHIBS</td>
<td>71,018</td>
<td>71,018</td>
</tr>
<tr>
<td>123</td>
<td>1206453F</td>
<td>EXPENDABLE LAUNCH VEHICLE PROGRAM</td>
<td>297,572</td>
<td>297,572</td>
</tr>
</tbody>
</table>

**SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION** | 4,476,782 | 4,543,962 |

**MANAGEMENT SUPPORT** | |

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>124</td>
<td>060436F</td>
<td>THREAT SIMULATOR DEVELOPMENT</td>
<td>35,405</td>
<td>35,405</td>
</tr>
<tr>
<td>125</td>
<td>060479F</td>
<td>MAJOR T&amp;R INVESTMENT</td>
<td>82,874</td>
<td>87,874</td>
</tr>
<tr>
<td>126</td>
<td>060518F</td>
<td>RAND PROJECT AIR FORCE</td>
<td>34,346</td>
<td>34,346</td>
</tr>
<tr>
<td>127</td>
<td>060521F</td>
<td>INITIAL OPERATIONAL TEST &amp; EVALUATION</td>
<td>15,523</td>
<td>15,523</td>
</tr>
<tr>
<td>128</td>
<td>060530F</td>
<td>TEST AND EVALUATION SUPPORT</td>
<td>678,289</td>
<td>735,689</td>
</tr>
</tbody>
</table>

Program Increase | [30,000] |

**Facilities Restoration and Modernization—Test and Evaluation Support** | 135,507 | 135,507 |

**Facilities Sustainment—Test and Evaluation Support** | 28,720 | 28,720 |

**REQUIRING ANALYSIS AND MATURATION** | 34,543 | 110,453 |

UFR: Modeling and Simulation Joint Simulation Environment | [30,000] |

**RAND PROJECT AIR FORC** | 223,179 | 223,179 |

**Acquisition and Management Support** | 138,536 | 138,536 |

**General Skill Training** | 1,434 | 1,434 |

**International Activities** | 4,569 | 4,569 |

**Space Test and Training Range Development** | 25,773 | 25,773 |

**Space and Missile Center (SMC) Civilian Workforce** | 169,877 | 169,877 |

**AF IPPS** | 9,531 | 9,531 |

**ACQ Workforce—Advanced Programs Technology** | 126,631 | 126,631 |

**ACQ Workforce—Global Systems** | 28,720 | 28,720 |

**ACQ Workforce—Nuclear Systems** | 169,877 | 169,877 |

**Management IQ—R&D** | 9,154 | 9,154 |

**Facilities Restoration and Modernization—Test and Evaluation Support** | 135,507 | 135,507 |

**Facilities Sustainment—Test and Evaluation Support** | 28,720 | 28,720 |

**SEC. 4202. OPERATIONAL SYSTEMS DEVELOPMENT** |

**Nuclear Weapons Support** | 27,579 | 27,579 |

**Specialized Undergraduate Flight Training** | 5,776 | 5,776 |

**Wide Area Surveillance** | 16,247 | 16,247 |

**AF Integrated Personnel and Pay System (AF-IPPS)** | 21,915 | 21,915 |

**Anti-Tamper Technology Executive Agency** | 33,150 | 33,150 |

**Foreign Material Acquisition and Exploitation** | 66,653 | 66,653 |

**IM accompanying RAPAC RETIRE** | 36,379 | 36,379 |

**NCI Integration** | 12,836 | 12,836 |

**B-2 SQUADRONS** | 111,910 | 111,910 |

**AIR-Launched Cruised Missile (ALCM)** | 461 | 463 |

**B-1 SQUADRONS** | 62,471 | 62,471 |

**B-2 SQUADRONS** | 191,808 | 191,808 |

**MINUTEMAN SQUADRONS** | 230,845 | 230,845 |

Increase: R3M Cryptographic Upgrade II | [20,000] |

Reduce: IM Ground and Communications Equipment | [30,000] |

Reduce: IM Support Equipment | [10,000] |

**INTRODUCED STRATEGIC PLANNING AND ANALYSIS NETWORK (ISPAN)—USTRICOMM** | 25,736 | 25,736 |

UFR: NCI—Global Assured Communications CBA Excision | [4,000] |

**INTRODUCED STRATEGIC PLANNING AND ANALYSIS NETWORK** | 11,012 | 11,012 |

**U1-1 Replacement Program** | 108,617 | 108,617 |

**HIGH RESOLUTION OPERATOR CONTROL CENTER MODERNIZATION PROGRAM** | 3,347 | 3,347 |

**MQ-9 UAV** | 201,394 | 201,394 |

**A-10 SQUADRONS** | 17,459 | 17,459 |
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item Description</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1677</td>
<td>F-16 SQUADRONS</td>
<td>246,578</td>
<td>271,578</td>
<td></td>
</tr>
<tr>
<td>181</td>
<td>F-15E SQUADRONS</td>
<td>320,271</td>
<td>320,271</td>
<td></td>
</tr>
<tr>
<td>182</td>
<td>MANNED ELECTRONIC ATTACK COMMAND SUPPORT</td>
<td>15,106</td>
<td>15,106</td>
<td></td>
</tr>
<tr>
<td>183</td>
<td>F-22A SQUADRONS</td>
<td>610,942</td>
<td>610,942</td>
<td></td>
</tr>
<tr>
<td>184</td>
<td>F-35 SQUADRONS</td>
<td>334,530</td>
<td>334,530</td>
<td></td>
</tr>
<tr>
<td>185</td>
<td>TACTICAL AIR MISSILES</td>
<td>34,952</td>
<td>54,952</td>
<td></td>
</tr>
<tr>
<td>186</td>
<td>ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)</td>
<td>61,322</td>
<td>61,322</td>
<td></td>
</tr>
<tr>
<td>187</td>
<td>COMBAT RESCUE—PARAIRESCUE</td>
<td>681</td>
<td>681</td>
<td></td>
</tr>
<tr>
<td>188</td>
<td>PRECISION ATTACK SYSTEMS PROCUREMENT</td>
<td>1,714</td>
<td>1,714</td>
<td></td>
</tr>
<tr>
<td>189</td>
<td>COMPASS CALL</td>
<td>14,040</td>
<td>14,040</td>
<td></td>
</tr>
<tr>
<td>190</td>
<td>AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM</td>
<td>109,243</td>
<td>109,243</td>
<td></td>
</tr>
<tr>
<td>191</td>
<td>JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)</td>
<td>29,932</td>
<td>29,932</td>
<td></td>
</tr>
<tr>
<td>192</td>
<td>AIR &amp; SPACE OPERATIONS CENTER (ACOC)</td>
<td>26,956</td>
<td>26,956</td>
<td></td>
</tr>
<tr>
<td>193</td>
<td>CONTROL AND REPORTING CENTER (CRS)</td>
<td>2,450</td>
<td>2,450</td>
<td></td>
</tr>
<tr>
<td>194</td>
<td>AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)</td>
<td>151,726</td>
<td>151,726</td>
<td></td>
</tr>
<tr>
<td>195</td>
<td>TACTICAL AIRBORNE CONTROL SYSTEMS</td>
<td>3,656</td>
<td>3,656</td>
<td></td>
</tr>
<tr>
<td>196</td>
<td>Joint Common Air Intelligence System Activities</td>
<td>13,420</td>
<td>13,420</td>
<td></td>
</tr>
<tr>
<td>197</td>
<td>TACTICAL AIR CONTROL PARTY-MOD</td>
<td>10,623</td>
<td>10,623</td>
<td></td>
</tr>
<tr>
<td>198</td>
<td>C3ISR TACTICAL DATA LINK</td>
<td>1,754</td>
<td>1,754</td>
<td></td>
</tr>
<tr>
<td>199</td>
<td>DCAF</td>
<td>17,382</td>
<td>17,382</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>NATIONAL TECHNICAL NUCLEAR FORENSICS</td>
<td>2,307</td>
<td>2,307</td>
<td></td>
</tr>
<tr>
<td>201</td>
<td>SEEK MKIIE</td>
<td>25,197</td>
<td>25,197</td>
<td></td>
</tr>
<tr>
<td>202</td>
<td>USAF MODELING AND SIMULATION</td>
<td>10,175</td>
<td>10,175</td>
<td></td>
</tr>
<tr>
<td>203</td>
<td>WARRIOMING AND SEDIMENTATION CENTERS</td>
<td>12,819</td>
<td>12,819</td>
<td></td>
</tr>
<tr>
<td>204</td>
<td>DISTRIBUTED TRAINING AND EXERCISES</td>
<td>4,190</td>
<td>4,190</td>
<td></td>
</tr>
<tr>
<td>205</td>
<td>MISSION PLANNING SYSTEMS</td>
<td>85,331</td>
<td>85,331</td>
<td></td>
</tr>
<tr>
<td>206</td>
<td>TACTICAL DECEPTION</td>
<td>3,761</td>
<td>3,761</td>
<td></td>
</tr>
<tr>
<td>207</td>
<td>AF OFFENSIVE CYBERRSPACE OPERATIONS</td>
<td>35,681</td>
<td>35,681</td>
<td></td>
</tr>
<tr>
<td>208</td>
<td>AF DEFENSIVE CYBERRSPACE OPERATIONS</td>
<td>20,964</td>
<td>20,964</td>
<td></td>
</tr>
<tr>
<td>209</td>
<td>GLOBAL SENSOR INTEGRATION ON NETWORK (GSION)</td>
<td>3,549</td>
<td>3,549</td>
<td></td>
</tr>
<tr>
<td>210</td>
<td>NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)</td>
<td>4,371</td>
<td>4,371</td>
<td></td>
</tr>
<tr>
<td>211</td>
<td>AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS</td>
<td>3,721</td>
<td>3,721</td>
<td></td>
</tr>
<tr>
<td>212</td>
<td>E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)</td>
<td>35,467</td>
<td>35,467</td>
<td></td>
</tr>
<tr>
<td>213</td>
<td>MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)</td>
<td>48,841</td>
<td>48,841</td>
<td></td>
</tr>
<tr>
<td>214</td>
<td>INTELLIGENCE MISSION DATA (IMD)</td>
<td>8,684</td>
<td>8,684</td>
<td></td>
</tr>
<tr>
<td>215</td>
<td>AIRCRAFT TAPETS</td>
<td>21,295</td>
<td>21,295</td>
<td></td>
</tr>
<tr>
<td>216</td>
<td>SECURITY AND INVESTIGATIVE ACTIVITIES</td>
<td>415</td>
<td>415</td>
<td></td>
</tr>
<tr>
<td>217</td>
<td>DEFENSE JOINT COUNTERINTRELLIGENCE ACTIVITIES</td>
<td>3,867</td>
<td>3,867</td>
<td></td>
</tr>
<tr>
<td>218</td>
<td>DRAGON V-2</td>
<td>34,486</td>
<td>34,486</td>
<td></td>
</tr>
<tr>
<td>219</td>
<td>AIRBORNE RECOGNITION SYSTEMS</td>
<td>4,450</td>
<td>4,450</td>
<td></td>
</tr>
<tr>
<td>220</td>
<td>WAMI Technology Upgrades</td>
<td>10,008</td>
<td>10,008</td>
<td></td>
</tr>
<tr>
<td>221</td>
<td>MANEUVER AIRCRAFT, SYSTEMS &amp; AUTOGUIDANCE</td>
<td>14,269</td>
<td>14,269</td>
<td></td>
</tr>
<tr>
<td>222</td>
<td>DISTRIBUTED COMBAT GROUND SURFACE SYSTEMS</td>
<td>27,501</td>
<td>27,501</td>
<td></td>
</tr>
<tr>
<td>223</td>
<td>RQ-4 UAV</td>
<td>214,849</td>
<td>214,849</td>
<td></td>
</tr>
<tr>
<td>224</td>
<td>NETWORK CENTRIC COLLABORATIVE TARGETING</td>
<td>18,842</td>
<td>18,842</td>
<td></td>
</tr>
<tr>
<td>225</td>
<td>X-301</td>
<td>44,729</td>
<td>44,729</td>
<td></td>
</tr>
<tr>
<td>226</td>
<td>SUPPORT TO DOGS ENTERPRISE</td>
<td>26,349</td>
<td>26,349</td>
<td></td>
</tr>
<tr>
<td>227</td>
<td>INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES</td>
<td>3,491</td>
<td>3,491</td>
<td></td>
</tr>
<tr>
<td>228</td>
<td>RAPID CYBER ACQUISITION</td>
<td>4,999</td>
<td>4,999</td>
<td></td>
</tr>
<tr>
<td>229</td>
<td>PERSONNEL RECOVERY COMMAND &amp; CONTROL (PRCC)</td>
<td>2,445</td>
<td>2,445</td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>INTELLIGENCE MISSION DATA (IMD)</td>
<td>8,684</td>
<td>8,684</td>
<td></td>
</tr>
<tr>
<td>231</td>
<td>C-130 AIRLIFT SQUADRON</td>
<td>10,219</td>
<td>10,219</td>
<td></td>
</tr>
<tr>
<td>232</td>
<td>C-3 AIRLIFT SQUADRONS (IF)</td>
<td>22,738</td>
<td>22,738</td>
<td></td>
</tr>
<tr>
<td>233</td>
<td>C-17 AIRCRAFT (IF)</td>
<td>34,297</td>
<td>34,297</td>
<td></td>
</tr>
<tr>
<td>234</td>
<td>C-130 PROGRAM</td>
<td>26,821</td>
<td>26,821</td>
<td></td>
</tr>
<tr>
<td>235</td>
<td>LABOR AIRCRAFT IN COUNTERMEASURES (LARAMI)</td>
<td>5,283</td>
<td>5,283</td>
<td></td>
</tr>
<tr>
<td>236</td>
<td>KC-135</td>
<td>9,942</td>
<td>9,942</td>
<td></td>
</tr>
<tr>
<td>237</td>
<td>KC-106</td>
<td>7,931</td>
<td>7,931</td>
<td></td>
</tr>
<tr>
<td>238</td>
<td>OPERATIONAL SUPPORT AIRLIFT</td>
<td>6,681</td>
<td>6,681</td>
<td></td>
</tr>
<tr>
<td>239</td>
<td>CV-22</td>
<td>22,519</td>
<td>22,519</td>
<td></td>
</tr>
</tbody>
</table>

Unfunded requirement—commonatisch interface | [7,000] |
Unfunded requirement—intelligence broadcast system | [7,000] |
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>289</td>
<td>0708220F</td>
<td>DEPOT MAINTENANCE (NON-IF)</td>
<td>1,528</td>
<td>1,528</td>
</tr>
<tr>
<td>290</td>
<td>0708055F</td>
<td>MAINTENANCE, REPAIR &amp; OVERHAUL SYSTEM</td>
<td>31,677</td>
<td>31,677</td>
</tr>
<tr>
<td>291</td>
<td>0708416F</td>
<td>LOGISTICS INFORMATION TECHNOLOGY (LOGIT)</td>
<td>33,344</td>
<td>33,344</td>
</tr>
<tr>
<td>292</td>
<td>0708411F</td>
<td>SUPPORT SYSTEMS DEVELOPMENT</td>
<td>9,362</td>
<td>9,362</td>
</tr>
<tr>
<td>293</td>
<td>0804741F</td>
<td>OTHER FLIGHT TRAINING</td>
<td>2,074</td>
<td>2,074</td>
</tr>
<tr>
<td>294</td>
<td>0808714F</td>
<td>OTHER PERSONNEL ACTIVITIES</td>
<td>107</td>
<td>107</td>
</tr>
<tr>
<td>295</td>
<td>0801202F</td>
<td>JOINT PERSONNEL RECOVERY AGENCY</td>
<td>2,006</td>
<td>2,006</td>
</tr>
<tr>
<td>296</td>
<td>0801218F</td>
<td>CIVILIAN COMPENSATION PROGRAM</td>
<td>3,792</td>
<td>3,790</td>
</tr>
<tr>
<td>297</td>
<td>0801220F</td>
<td>PERSONNEL ADMINISTRATION</td>
<td>1,472</td>
<td>472</td>
</tr>
<tr>
<td>298</td>
<td>0801226F</td>
<td>AIR FORCE STUDIES AND ANALYSIS AGENCY</td>
<td>1,561</td>
<td>1,563</td>
</tr>
<tr>
<td>299</td>
<td>0801358F</td>
<td>FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT</td>
<td>91,211</td>
<td>91,211</td>
</tr>
<tr>
<td>300</td>
<td>1201921F</td>
<td>SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES</td>
<td>14,255</td>
<td>14,255</td>
</tr>
<tr>
<td>301</td>
<td>1202247F</td>
<td>AF TENCAP</td>
<td>31,914</td>
<td>31,914</td>
</tr>
<tr>
<td>302</td>
<td>1203811F</td>
<td>FAMILY OF ADVANCED BLOB TERMINALS (FAB-T)</td>
<td>32,426</td>
<td>32,426</td>
</tr>
<tr>
<td>303</td>
<td>1203116F</td>
<td>SATELLITE CONTROL NETWORK (SPACE)</td>
<td>18,808</td>
<td>18,808</td>
</tr>
<tr>
<td>304</td>
<td>1203153F</td>
<td>NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS)</td>
<td>10,029</td>
<td>10,029</td>
</tr>
<tr>
<td>305</td>
<td>1203173F</td>
<td>SPACE AND MISSILE TEST AND EVALUATION CENTER</td>
<td>25,051</td>
<td>25,051</td>
</tr>
<tr>
<td>306</td>
<td>1203174F</td>
<td>SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT</td>
<td>13,190</td>
<td>11,280</td>
</tr>
<tr>
<td>307</td>
<td>1203179F</td>
<td>INTEGRATED BROADCAST SERVICE (IBS)</td>
<td>8,747</td>
<td>8,747</td>
</tr>
<tr>
<td>308</td>
<td>1203182F</td>
<td>SPACE Lift RANGE SYSTEM (SPACE)</td>
<td>10,549</td>
<td>10,549</td>
</tr>
<tr>
<td>309</td>
<td>1203183F</td>
<td>GPS III SPACE SEGMENT</td>
<td>243,455</td>
<td>243,455</td>
</tr>
<tr>
<td>310</td>
<td>1203809F</td>
<td>SPACE SUPERIORITY INTELLIGENCE</td>
<td>12,691</td>
<td>12,691</td>
</tr>
<tr>
<td>311</td>
<td>1203814F</td>
<td>JSPOC MISSION SYSTEM</td>
<td>99,455</td>
<td>123,705</td>
</tr>
<tr>
<td>312</td>
<td>1203815F</td>
<td>AF UPL—ISR2 software</td>
<td>[24,250]</td>
<td>[24,250]</td>
</tr>
<tr>
<td>313</td>
<td>1203820F</td>
<td>NATIONAL SPACE DEFENSE CENTER</td>
<td>18,052</td>
<td>18,052</td>
</tr>
<tr>
<td>314</td>
<td>1203829F</td>
<td>SHARED EARLY WARNING (S EW)</td>
<td>1,737</td>
<td>1,737</td>
</tr>
<tr>
<td>315</td>
<td>1203836F</td>
<td>NCW-TW/AA SYSTEM</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>316</td>
<td>1203831F</td>
<td>NUDET DETECTION SYSTEM (SPACE)</td>
<td>11,308</td>
<td>11,308</td>
</tr>
<tr>
<td>317</td>
<td>1203839F</td>
<td>SPACE SITUATION AWARENESS OPERATIONS</td>
<td>99,994</td>
<td>99,994</td>
</tr>
<tr>
<td>318</td>
<td>1204623F</td>
<td>GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT</td>
<td>510,938</td>
<td>510,938</td>
</tr>
</tbody>
</table>

#### TOTAL OPERATIONAL SYSTEMS DEVELOPMENT

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018 Request</td>
<td>20,750,546</td>
</tr>
<tr>
<td>Authorized</td>
<td>20,847,796</td>
</tr>
</tbody>
</table>

#### TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF.

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018 Request</td>
<td>35,170,103</td>
</tr>
<tr>
<td>Authorized</td>
<td>35,856,753</td>
</tr>
</tbody>
</table>

### RESEARCH, DEVELOPMENT, TEST & EVALUATION

#### BASIC RESEARCH

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>0601080H</td>
<td>DTRA BASIC RESEARCH</td>
<td>37,201</td>
<td>37,201</td>
</tr>
<tr>
<td>002</td>
<td>0601111E</td>
<td>DEFENSE RESEARCH SCIENCES</td>
<td>452,147 432,147</td>
<td></td>
</tr>
<tr>
<td>003</td>
<td>0601110D</td>
<td>BASIC RESEARCH INITIATIVES</td>
<td>40,612</td>
<td>40,612</td>
</tr>
<tr>
<td>004</td>
<td>0601117E</td>
<td>BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE</td>
<td>45,126</td>
<td>45,126</td>
</tr>
<tr>
<td>005</td>
<td>0601120D</td>
<td>NATIONAL DEFENSE EDUCATION PROGRAM</td>
<td>74,288</td>
<td>68,298</td>
</tr>
<tr>
<td>006</td>
<td>0601224D</td>
<td>HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MIORITY INSTITUTIONS</td>
<td>25,865</td>
<td>40,000</td>
</tr>
<tr>
<td>007</td>
<td>0601344H</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</td>
<td>43,898</td>
<td>43,898</td>
</tr>
</tbody>
</table>

#### SUBTOTAL BASIC RESEARCH

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018 Request</td>
<td>697,347</td>
</tr>
<tr>
<td>Authorized</td>
<td>725,482</td>
</tr>
</tbody>
</table>

### APPLIED RESEARCH

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>008</td>
<td>0602800H</td>
<td>JOINT MUNITIONS TECHNOLOGY</td>
<td>19,111</td>
<td>19,111</td>
</tr>
<tr>
<td>009</td>
<td>0602113E</td>
<td>BIOLOGICAL TECHNOLOGY</td>
<td>109,360</td>
<td>109,360</td>
</tr>
<tr>
<td>010</td>
<td>0602214D</td>
<td>LINCOLN LABORATORY RESEARCH PROGRAM</td>
<td>45,126</td>
<td>45,126</td>
</tr>
<tr>
<td>012</td>
<td>0602511D</td>
<td>APPLIED RESEARCH FOR THE ADVANCEMENT OF S&amp;T PRIORITIES</td>
<td>49,226</td>
<td>49,226</td>
</tr>
<tr>
<td>013</td>
<td>0602803E</td>
<td>INFORMATION &amp; COMMUNICATIONS TECHNOLOGY</td>
<td>382,764 392,764</td>
<td></td>
</tr>
<tr>
<td>014</td>
<td>0602838E</td>
<td>BIOLOGICAL WARFARE DEFENSE</td>
<td>15,014</td>
<td>15,014</td>
</tr>
<tr>
<td>015</td>
<td>0602844E</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</td>
<td>201,053</td>
<td>201,053</td>
</tr>
<tr>
<td>016</td>
<td>0602683D</td>
<td>CYBER SECURITY RESEARCH</td>
<td>14,775</td>
<td>14,775</td>
</tr>
<tr>
<td>017</td>
<td>0602782E</td>
<td>TACTICAL TECHNOLOGY</td>
<td>350,776</td>
<td>325,776</td>
</tr>
<tr>
<td>018</td>
<td>0602715E</td>
<td>MATERIALS AND BIOLOGICAL TECHNOLOGY</td>
<td>224,448</td>
<td>224,448</td>
</tr>
<tr>
<td>019</td>
<td>0602716E</td>
<td>ELECTRONICS TECHNOLOGY</td>
<td>295,447</td>
<td>295,447</td>
</tr>
<tr>
<td>020</td>
<td>0602718D</td>
<td>COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH</td>
<td>157,808</td>
<td>157,808</td>
</tr>
<tr>
<td>021</td>
<td>0602714D</td>
<td>SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH</td>
<td>8,955</td>
<td>8,955</td>
</tr>
<tr>
<td>022</td>
<td>1104801H</td>
<td>SOF TECHNOLOGY DEVELOPMENT</td>
<td>34,933</td>
<td>34,933</td>
</tr>
</tbody>
</table>

#### SUBTOTAL APPLIED RESEARCH

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018 Request</td>
<td>1,914,090</td>
</tr>
<tr>
<td>Authorized</td>
<td>1,899,090</td>
</tr>
</tbody>
</table>

### ADVANCED TECHNOLOGY DEVELOPMENT
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>024</td>
<td>0603882C</td>
<td>ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES</td>
<td>13,611</td>
<td>13,611</td>
</tr>
<tr>
<td>025</td>
<td>0603883C</td>
<td>NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT</td>
<td>3,450,847</td>
<td>3,448,347</td>
</tr>
<tr>
<td>026</td>
<td>0603884C</td>
<td>WALKOFF</td>
<td>101,714</td>
<td>101,714</td>
</tr>
<tr>
<td>027</td>
<td>0603885C</td>
<td>ACQUISITION ENTERPRISE DATA AND INFORMATION SERVICES</td>
<td>2,198</td>
<td>2,198</td>
</tr>
<tr>
<td>028</td>
<td>0603886C</td>
<td>ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM</td>
<td>54,383</td>
<td>54,383</td>
</tr>
<tr>
<td>029</td>
<td>0603887C</td>
<td>BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SYSTEM</td>
<td>292,262</td>
<td>292,262</td>
</tr>
<tr>
<td>030</td>
<td>0603888C</td>
<td>BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SYSTEM</td>
<td>957,097</td>
<td>957,097</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOTAL</td>
<td>3,450,847</td>
<td>3,448,347</td>
</tr>
</tbody>
</table>

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

(In Thousands of Dollars)
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>084</td>
<td>0603898C</td>
<td>BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, RATTLE MANAGEMENT AND COMMUNICATION</td>
<td>454,862</td>
<td>454,862</td>
</tr>
<tr>
<td>085</td>
<td>0603899C</td>
<td>BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT</td>
<td>48,954</td>
<td>48,954</td>
</tr>
<tr>
<td>086</td>
<td>0603900C</td>
<td>MISSILE DEFENSE INTEGRATION &amp; OPERATIONS CENTER (MIDOC)</td>
<td>55,265</td>
<td>55,265</td>
</tr>
<tr>
<td>087</td>
<td>0603901C</td>
<td>REGARDIING TRENCH</td>
<td>9,113</td>
<td>9,113</td>
</tr>
<tr>
<td>088</td>
<td>0603902C</td>
<td>SEA BASED X-BAND RADAR (SBN)</td>
<td>145,695</td>
<td>145,695</td>
</tr>
<tr>
<td>089</td>
<td>0603903C</td>
<td>DISABLED COOPERATIVE PROGRAMS</td>
<td>375,800</td>
<td>375,800</td>
</tr>
<tr>
<td>090</td>
<td>0603904C</td>
<td>Arrow</td>
<td>71,459</td>
<td>71,459</td>
</tr>
<tr>
<td>091</td>
<td>0603905C</td>
<td>Arrow Upper Tier flight test</td>
<td>(105,000)</td>
<td>105,000</td>
</tr>
<tr>
<td>092</td>
<td>0603906C</td>
<td>Arrow-Upper Tier</td>
<td>(28,139)</td>
<td>28,139</td>
</tr>
<tr>
<td>093</td>
<td>0603907C</td>
<td>David's Sling</td>
<td>(63,849)</td>
<td>63,849</td>
</tr>
<tr>
<td>094</td>
<td>0603908C</td>
<td>BALLISTIC MISSILE DEFENSE TEST</td>
<td>316,191</td>
<td>316,191</td>
</tr>
<tr>
<td>095</td>
<td>0603909C</td>
<td>HUMANITARIAN DEMINING</td>
<td>10,837</td>
<td>10,837</td>
</tr>
<tr>
<td>096</td>
<td>0603910C</td>
<td>COALITION WARFARE</td>
<td>10,740</td>
<td>10,740</td>
</tr>
<tr>
<td>097</td>
<td>0603911C</td>
<td>DEPARTMENT OF DEFENSE CORROSION PROGRAM</td>
<td>5,857</td>
<td>5,857</td>
</tr>
<tr>
<td>098</td>
<td>0603912C</td>
<td>TECHNOLOGY MATURATION INITIATIVES</td>
<td>128,406</td>
<td>128,406</td>
</tr>
<tr>
<td>099</td>
<td>0603913C</td>
<td>MISSILE DEFECT PROJECT</td>
<td>124,769</td>
<td>124,769</td>
</tr>
<tr>
<td>100</td>
<td>0603914C</td>
<td>HYPERSONIC DEFENSE</td>
<td>75,300</td>
<td>75,300</td>
</tr>
<tr>
<td>101</td>
<td>0603915C</td>
<td>ADVANCED INNOVATIVE TECHNOLOGIES</td>
<td>1,460,532</td>
<td>1,460,532</td>
</tr>
<tr>
<td>102</td>
<td>0603916C</td>
<td>Program decrease</td>
<td>(22,000)</td>
<td>(22,000)</td>
</tr>
<tr>
<td>103</td>
<td>0604324D</td>
<td>DEFENSE TECHNOLOGY OFFSET</td>
<td>100,000</td>
<td>100,000</td>
</tr>
<tr>
<td>104</td>
<td>0604325D</td>
<td>Directed energy</td>
<td>(100,000)</td>
<td>(100,000)</td>
</tr>
<tr>
<td>105</td>
<td>0604326D</td>
<td>DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMBAT DEVELOPMENT</td>
<td>3,567</td>
<td>3,567</td>
</tr>
<tr>
<td>106</td>
<td>0604327D</td>
<td>WARRIORS AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)</td>
<td>5,833</td>
<td>5,833</td>
</tr>
<tr>
<td>107</td>
<td>0604341D</td>
<td>JOINT S CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS</td>
<td>23,618</td>
<td>23,618</td>
</tr>
<tr>
<td>108</td>
<td>0604342D</td>
<td>LONG RANGE DISCRIMINATION RADAR (LRDR)</td>
<td>357,659</td>
<td>357,659</td>
</tr>
<tr>
<td>109</td>
<td>0604343D</td>
<td>IMPROVED HOMELAND DEFENSE INTERCEPTORS</td>
<td>636,430</td>
<td>636,430</td>
</tr>
<tr>
<td>110</td>
<td>0604344D</td>
<td>BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST</td>
<td>36,239</td>
<td>36,239</td>
</tr>
<tr>
<td>111</td>
<td>0604345D</td>
<td>AEGIS DDG TEST</td>
<td>137,761</td>
<td>140,819</td>
</tr>
<tr>
<td>112</td>
<td>0604346D</td>
<td>To provide AAW at Aegis Ashore sites, consistent w/ FY16 and FY17 NDAA</td>
<td>101,839</td>
<td>101,839</td>
</tr>
<tr>
<td>113</td>
<td>0604347D</td>
<td>LAND-BASED SM-3 (LBSSM)</td>
<td>97,761</td>
<td>97,761</td>
</tr>
<tr>
<td>114</td>
<td>0604348D</td>
<td>To provide AAW at Aegis Ashore sites, consistent w/ FY16 and FY17 NDAA</td>
<td>67,275</td>
<td>67,275</td>
</tr>
<tr>
<td>115</td>
<td>0604349D</td>
<td>AEGIS SM-3 BLOCK IA CO-DEVELOPMENT</td>
<td>9,739</td>
<td>9,739</td>
</tr>
<tr>
<td>116</td>
<td>0604350D</td>
<td>BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST</td>
<td>76,757</td>
<td>76,757</td>
</tr>
<tr>
<td>117</td>
<td>0604351D</td>
<td>MULTI-OBJECT KILL VEHICLE</td>
<td>6,500</td>
<td>6,500</td>
</tr>
<tr>
<td>118</td>
<td>0604352D</td>
<td>JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM</td>
<td>2,902</td>
<td>2,902</td>
</tr>
<tr>
<td>119</td>
<td>0604353D</td>
<td>CYBER SECURITY INITIATIVE</td>
<td>966</td>
<td>966</td>
</tr>
<tr>
<td>120</td>
<td>0604354D</td>
<td>SPACE TRACKING &amp; SURVEILLANCE SYSTEM</td>
<td>34,907</td>
<td>34,907</td>
</tr>
<tr>
<td>121</td>
<td>0604355D</td>
<td>BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS</td>
<td>44,494</td>
<td>44,494</td>
</tr>
<tr>
<td>122</td>
<td>0604356D</td>
<td>Initiates BMDs Global Sensors A&amp; recommendation for space sensor architectures</td>
<td>(15,500)</td>
<td>(15,500)</td>
</tr>
<tr>
<td>123</td>
<td>0604357D</td>
<td>GROUND-LOADED INTERMEDIATE RANGE MISSILE</td>
<td>58,000</td>
<td>58,000</td>
</tr>
</tbody>
</table>

#### SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES

8,667,341

### SYSTEM DEVELOPMENT AND DEMONSTRATION

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>118</td>
<td>0604141D</td>
<td>NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT INFRASTRUCTURE</td>
<td>12,536</td>
<td>12,536</td>
</tr>
<tr>
<td>119</td>
<td>0604142D</td>
<td>PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT</td>
<td>203,749</td>
<td>203,749</td>
</tr>
<tr>
<td>120</td>
<td>0604143D</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EXDI</td>
<td>406,789</td>
<td>406,789</td>
</tr>
<tr>
<td>121</td>
<td>0604144D</td>
<td>JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)</td>
<td>23,638</td>
<td>23,638</td>
</tr>
<tr>
<td>122</td>
<td>0604145D</td>
<td>COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT</td>
<td>6,241</td>
<td>6,241</td>
</tr>
<tr>
<td>123</td>
<td>0604146D</td>
<td>INFORMATION TECHNOLOGY DEVELOPMENT</td>
<td>12,322</td>
<td>12,322</td>
</tr>
<tr>
<td>124</td>
<td>0604147D</td>
<td>HOMELAND PERSONNEL SECURITY INITIATIVE</td>
<td>4,891</td>
<td>4,891</td>
</tr>
<tr>
<td>125</td>
<td>0604148D</td>
<td>DEFENSE EXPORTABILITY PROGRAM</td>
<td>3,162</td>
<td>3,162</td>
</tr>
<tr>
<td>126</td>
<td>0604149D</td>
<td>C(U)IT DEVELOPMENT INITIATIVES</td>
<td>23,353</td>
<td>23,353</td>
</tr>
<tr>
<td>127</td>
<td>0604150D</td>
<td>DEFENSE ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION</td>
<td>6,266</td>
<td>6,266</td>
</tr>
<tr>
<td>128</td>
<td>0604151D</td>
<td>DEFENSE POLICY AND INTEGRATION</td>
<td>2,810</td>
<td>2,810</td>
</tr>
<tr>
<td>129</td>
<td>0604152D</td>
<td>DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM</td>
<td>24,436</td>
<td>24,436</td>
</tr>
<tr>
<td>130</td>
<td>0604153D</td>
<td>DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS)</td>
<td>13,475</td>
<td>13,475</td>
</tr>
<tr>
<td>131</td>
<td>0604154D</td>
<td>DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM</td>
<td>24,436</td>
<td>24,436</td>
</tr>
<tr>
<td>132</td>
<td>0604155D</td>
<td>DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES</td>
<td>11,870</td>
<td>11,870</td>
</tr>
<tr>
<td>133</td>
<td>0604156D</td>
<td>TRUSTED &amp; ASSURED MICROELECTRONICS</td>
<td>61,084</td>
<td>61,084</td>
</tr>
<tr>
<td>134</td>
<td>0604157D</td>
<td>DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES</td>
<td>11,870</td>
<td>11,870</td>
</tr>
<tr>
<td>135</td>
<td>0604158D</td>
<td>GLOBAL COMPATIBLE SUPPORT SYSTEM</td>
<td>2,576</td>
<td>2,576</td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>188</td>
<td>0604130V</td>
<td>ENTERPRISE SECURITY SYSTEM (ESS)</td>
<td>4,565</td>
<td>4,565</td>
</tr>
<tr>
<td>189</td>
<td>0606127T</td>
<td>REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANA.</td>
<td>1,871</td>
<td>1,871</td>
</tr>
<tr>
<td>190</td>
<td>0605147T</td>
<td>OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SYSTEM (OHASIS).</td>
<td>298</td>
<td>298</td>
</tr>
<tr>
<td>191</td>
<td>0607210D</td>
<td>INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT</td>
<td>10,982</td>
<td>10,982</td>
</tr>
<tr>
<td>192</td>
<td>0607110D</td>
<td>CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT</td>
<td>7,222</td>
<td>7,222</td>
</tr>
<tr>
<td>193</td>
<td>0607122T</td>
<td>GLOBAL THEATER SECURITY (GTS), AND INFORMATION SYSTEMS (G-TSCMIS).</td>
<td>14,450</td>
<td>14,450</td>
</tr>
<tr>
<td>194</td>
<td>0607348BP</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT).</td>
<td>45,677</td>
<td>45,677</td>
</tr>
<tr>
<td>195</td>
<td>0208045J</td>
<td>PLANNING AND DECISION AID SYSTEM (PDA)</td>
<td>3,037</td>
<td>3,037</td>
</tr>
<tr>
<td>196</td>
<td>0208043K</td>
<td>C4I INTEROPERABILITY</td>
<td>59,490</td>
<td>59,490</td>
</tr>
<tr>
<td>197</td>
<td>0208134K</td>
<td>JOINT/ALLIED COALITION INFORMATION SHARING</td>
<td>6,104</td>
<td>6,104</td>
</tr>
<tr>
<td>198</td>
<td>0208216K</td>
<td>NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT</td>
<td>1,863</td>
<td>1,863</td>
</tr>
<tr>
<td>201</td>
<td>0208219K</td>
<td>DEFENSE INFRASTRUCTURE ENGINEERING AND INTEGRATION</td>
<td>21,564</td>
<td>21,564</td>
</tr>
<tr>
<td>202</td>
<td>0208135K</td>
<td>LONG-Haul COMMUNICATIONS—DCS</td>
<td>15,428</td>
<td>15,428</td>
</tr>
<tr>
<td>205</td>
<td>0301351K</td>
<td>MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEC/N).</td>
<td>15,855</td>
<td>15,855</td>
</tr>
<tr>
<td>206</td>
<td>0301350K</td>
<td>PUBLIC KEY INFRASTRUCTURE (PKI)</td>
<td>4,811</td>
<td>4,811</td>
</tr>
<tr>
<td>207</td>
<td>0301401K</td>
<td>KEY MANAGEMENT INFRASTRUCTURE (KMI)</td>
<td>33,746</td>
<td>33,746</td>
</tr>
<tr>
<td>209</td>
<td>0301400K</td>
<td>INFORMATION SYSTEMS SECURITY PROGRAM</td>
<td>9,415</td>
<td>9,415</td>
</tr>
<tr>
<td>210</td>
<td>0301569K</td>
<td>GLOBAL COMMAND AND CONTROL SYSTEM</td>
<td>42,687</td>
<td>42,687</td>
</tr>
</tbody>
</table>

**TOTAL MANAGEMENT SUPPORT** | **1,040,530** | **1,040,530**
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>211</td>
<td>030153K</td>
<td>DEFENSE SPECTRUM ORGANIZATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>214</td>
<td>030228K</td>
<td>JOINT INFORMATION ENVIRONMENT (JIE)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>216</td>
<td>030440K</td>
<td>FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>222</td>
<td>0305100K</td>
<td>CYBER SECURITY INITIATIVE</td>
<td>1,686</td>
<td>1,686</td>
</tr>
<tr>
<td>227</td>
<td>0305160D0S</td>
<td>POLICY R&amp;D PROGRAMS</td>
<td>6,526</td>
<td>6,526</td>
</tr>
<tr>
<td>228</td>
<td>0305190D0S</td>
<td>NET CENTRITY</td>
<td>18,455</td>
<td>18,455</td>
</tr>
<tr>
<td>230</td>
<td>0305280K</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>5,496</td>
<td>5,496</td>
</tr>
<tr>
<td>231</td>
<td>0305280K</td>
<td>DISTRIBUTED GROUND/SURFACE SYSTEMS</td>
<td>3,049</td>
<td>3,049</td>
</tr>
<tr>
<td>236</td>
<td>0305327V</td>
<td>INSIDER THREAT</td>
<td>5,365</td>
<td>5,365</td>
</tr>
<tr>
<td>237</td>
<td>0305327V</td>
<td>HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM</td>
<td>2,971</td>
<td>2,971</td>
</tr>
<tr>
<td>241</td>
<td>0307573D0S</td>
<td>INTELLIGENCE MISSION DATA (IMD)</td>
<td>13,111</td>
<td>13,111</td>
</tr>
<tr>
<td>245</td>
<td>0708412S</td>
<td>PACIFIC DISASTER CENTERS</td>
<td>1,770</td>
<td>1,770</td>
</tr>
<tr>
<td>246</td>
<td>0708417S</td>
<td>DEFENSE PROPERTY ACCOUNTABILITY SYSTEM</td>
<td>2,924</td>
<td>2,924</td>
</tr>
<tr>
<td>248</td>
<td>1106219HB</td>
<td>MQ-9 UAV</td>
<td>37,861</td>
<td>37,861</td>
</tr>
<tr>
<td>251</td>
<td>1160401B</td>
<td>AVIATION SYSTEMS</td>
<td>259,896</td>
<td>273,386</td>
</tr>
<tr>
<td>252</td>
<td>1160433BB</td>
<td>INTELLIGENCE SYSTEMS DEVELOPMENT</td>
<td>8,245</td>
<td>8,245</td>
</tr>
<tr>
<td>253</td>
<td>1160439BB</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>79,455</td>
<td>79,455</td>
</tr>
<tr>
<td>254</td>
<td>1160431BB</td>
<td>WARRIOR SYSTEMS</td>
<td>45,935</td>
<td>45,935</td>
</tr>
<tr>
<td>255</td>
<td>1160432BB</td>
<td>SPECIAL PROGRAMS</td>
<td>1,978</td>
<td>1,978</td>
</tr>
<tr>
<td>256</td>
<td>1160424BB</td>
<td>UNMANNED ISR</td>
<td>31,766</td>
<td>31,766</td>
</tr>
<tr>
<td>257</td>
<td>1160408BB</td>
<td>SOF TACTICAL VEHICLES</td>
<td>2,578</td>
<td>2,578</td>
</tr>
<tr>
<td>258</td>
<td>1160432BB</td>
<td>MARITIME SYSTEMS</td>
<td>42,315</td>
<td>60,415</td>
</tr>
<tr>
<td>259</td>
<td>1160403BB</td>
<td>AVIATION SYSTEMS</td>
<td>259,896</td>
<td>273,386</td>
</tr>
<tr>
<td>260</td>
<td>1160403B</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>210,900</td>
<td>210,900</td>
</tr>
<tr>
<td>261A</td>
<td>9999999999</td>
<td>CLASSIFIED PROGRAMS</td>
<td>3,734,266</td>
<td>3,734,266</td>
</tr>
<tr>
<td>261A</td>
<td>9999999999</td>
<td>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT</td>
<td>4,912,148</td>
<td>4,943,748</td>
</tr>
<tr>
<td></td>
<td>261A 9999999999</td>
<td>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</td>
<td>21,501,122</td>
<td>22,211,814</td>
</tr>
<tr>
<td>001</td>
<td>0605118FR</td>
<td>OPERATIONAL TEST AND EVALUATION</td>
<td>85,303</td>
<td>85,303</td>
</tr>
<tr>
<td>002</td>
<td>0605118FR</td>
<td>LIVE FIRE TEST AND EVALUATION</td>
<td>59,500</td>
<td>59,500</td>
</tr>
<tr>
<td>001</td>
<td>0605118FR</td>
<td>OPERATIONAL TEST ACTIVITIES AND ANALYSES</td>
<td>67,897</td>
<td>67,897</td>
</tr>
<tr>
<td></td>
<td>0605118FR</td>
<td>SUBTOTAL MANAGEMENT SUPPORT</td>
<td>210,900</td>
<td>210,900</td>
</tr>
<tr>
<td></td>
<td>261A 9999999999</td>
<td>TOTAL OPERATIONAL TEST &amp; EVAL, DEFENSE</td>
<td>210,900</td>
<td>210,900</td>
</tr>
<tr>
<td></td>
<td>261A 9999999999</td>
<td>TOTAL RDT&amp;E</td>
<td>84,063,300</td>
<td>86,348,676</td>
</tr>
</tbody>
</table>

### 1 SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS.

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>055</td>
<td>0605127A</td>
<td>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>060</td>
<td>0605127A</td>
<td>SOLDIER SUPPORT AND SURVIVABILITY</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td></td>
<td>0605127A</td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>18,000</td>
<td>18,000</td>
</tr>
<tr>
<td>122</td>
<td>0605122A</td>
<td>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>123</td>
<td>0605122A</td>
<td>COMMON INFLARED COUNTERMEASURES (CIRCM)</td>
<td>21,540</td>
<td>21,540</td>
</tr>
<tr>
<td>131</td>
<td>0605122A</td>
<td>AIRCRAFT SURVIVABILITY DEVELOPMENT</td>
<td>30,100</td>
<td>30,100</td>
</tr>
<tr>
<td>147</td>
<td>0605122A</td>
<td>TROJAN—III12</td>
<td>1,200</td>
<td>1,200</td>
</tr>
<tr>
<td></td>
<td>0605122A</td>
<td>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</td>
<td>57,840</td>
<td>57,840</td>
</tr>
</tbody>
</table>

**OPERATIONAL SYSTEMS DEVELOPMENT**
## SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS

### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>0203801A</td>
<td>MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>222</td>
<td>030284A</td>
<td>TACTICAL UNMANNED AERIAL VEHICLES</td>
<td>7,492</td>
<td>7,492</td>
</tr>
<tr>
<td>223</td>
<td>030286A</td>
<td>AIRBORNE RECONNAISSANCE SYSTEMS</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>228</td>
<td>0307665A</td>
<td>BIOMETRICS ENABLED INTELLIGENCE</td>
<td>8,036</td>
<td>8,036</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</strong></td>
<td><strong>43,528</strong></td>
<td><strong>43,528</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY</strong></td>
<td><strong>119,368</strong></td>
<td><strong>119,368</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>041</td>
<td>0604327N</td>
<td>RETRACT LASH</td>
<td>22,000</td>
<td>22,000</td>
</tr>
<tr>
<td>061</td>
<td>0604314N</td>
<td>JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT</td>
<td>29,700</td>
<td>29,700</td>
</tr>
<tr>
<td>075</td>
<td>0609785N</td>
<td>LAND ATTACK TECHNOLOGY</td>
<td>2,100</td>
<td>2,100</td>
</tr>
<tr>
<td>081</td>
<td>0604272N</td>
<td>TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM)</td>
<td>5,710</td>
<td>5,710</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</strong></td>
<td><strong>59,510</strong></td>
<td><strong>59,510</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>101</td>
<td>0604200N</td>
<td>WARFARE SUPPORT SYSTEM</td>
<td>5,400</td>
<td>5,400</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</strong></td>
<td><strong>5,400</strong></td>
<td><strong>5,400</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>OPERATIONAL SYSTEMS DEVELOPMENT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>207</td>
<td>020411N</td>
<td>INTEGRATED SURVEILLANCE SYSTEM</td>
<td>11,600</td>
<td>11,600</td>
</tr>
<tr>
<td>211</td>
<td>020434N</td>
<td>CRYPTOLOGIC DIRECT SUPPORT</td>
<td>1,200</td>
<td>1,200</td>
</tr>
<tr>
<td>253A</td>
<td>9999999999</td>
<td>CLASSIFIED PROGRAMS</td>
<td>89,855</td>
<td>89,855</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</strong></td>
<td><strong>102,655</strong></td>
<td><strong>102,655</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</strong></td>
<td><strong>167,565</strong></td>
<td><strong>167,565</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>029</td>
<td>0601418F</td>
<td>SPACE CONTROL TECHNOLOGY</td>
<td>7,800</td>
<td>7,800</td>
</tr>
<tr>
<td>053</td>
<td>0306259F</td>
<td>CYBER OPERATIONS TECHNOLOGY DEVELOPMENT</td>
<td>5,400</td>
<td>5,400</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</strong></td>
<td><strong>13,200</strong></td>
<td><strong>13,200</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>OPERATIONAL SYSTEMS DEVELOPMENT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>196</td>
<td>0207277F</td>
<td>DIS INNOVATIONS</td>
<td>5,750</td>
<td>5,750</td>
</tr>
<tr>
<td>214</td>
<td>0204887F</td>
<td>AF OFFENSIVE CYBERSPACE OPERATIONS</td>
<td>4,000</td>
<td>4,000</td>
</tr>
<tr>
<td>316A</td>
<td>9999999999</td>
<td>CLASSIFIED PROGRAMS</td>
<td>112,408</td>
<td>112,408</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</strong></td>
<td><strong>122,158</strong></td>
<td><strong>122,158</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF</strong></td>
<td><strong>135,358</strong></td>
<td><strong>135,358</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>ADVANCED TECHNOLOGY DEVELOPMENT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>024</td>
<td>0603122D8Z</td>
<td>COMBATING TERRORISM TECHNOLOGY SUPPORT</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT</strong></td>
<td><strong>25,000</strong></td>
<td><strong>25,000</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>OPERATIONAL SYSTEM DEVELOPMENT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>251</td>
<td>1160388BB</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>1,920</td>
<td>1,920</td>
</tr>
<tr>
<td>256</td>
<td>1160434BB</td>
<td>UNMANNED ISRE</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>261A</td>
<td>9999999999</td>
<td>CLASSIFIED PROGRAMS</td>
<td>196,176</td>
<td>196,176</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT</strong></td>
<td><strong>201,096</strong></td>
<td><strong>201,096</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</strong></td>
<td><strong>226,096</strong></td>
<td><strong>226,096</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL RDT&amp;E</strong></td>
<td><strong>648,387</strong></td>
<td><strong>648,387</strong></td>
</tr>
</tbody>
</table>
### SEC. 4301. OPERATION AND MAINTENANCE.

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MANEUVER UNITS</td>
<td>1,455,366</td>
<td>1,510,066</td>
</tr>
<tr>
<td></td>
<td>Improve unit training and maintenance readiness</td>
<td></td>
<td>[54,700]</td>
</tr>
<tr>
<td>020</td>
<td>MODULAR SUPPORT BRIGADES</td>
<td>105,147</td>
<td>112,847</td>
</tr>
<tr>
<td></td>
<td>UFR: Readiness to execute NMS</td>
<td></td>
<td>[7,700]</td>
</tr>
<tr>
<td>030</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>604,117</td>
<td>692,417</td>
</tr>
<tr>
<td></td>
<td>UFR: Readiness to execute NMS</td>
<td></td>
<td>[88,300]</td>
</tr>
<tr>
<td>040</td>
<td>THEATER LEVEL ASSETS</td>
<td>791,217</td>
<td>829,951</td>
</tr>
<tr>
<td></td>
<td>Decisive Action training and operations</td>
<td></td>
<td>[27,300]</td>
</tr>
<tr>
<td></td>
<td>UFR: Support Equipment</td>
<td></td>
<td>[9,434]</td>
</tr>
<tr>
<td>050</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>1,169,478</td>
<td>1,207,178</td>
</tr>
<tr>
<td></td>
<td>Combat Training Center Operations and Maintenance</td>
<td></td>
<td>[37,700]</td>
</tr>
<tr>
<td>060</td>
<td>AVIATION ASSETS</td>
<td>1,496,503</td>
<td>1,524,703</td>
</tr>
<tr>
<td></td>
<td>Aviation and ISR Maintenance Requirements</td>
<td></td>
<td>[28,200]</td>
</tr>
<tr>
<td>070</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>3,675,901</td>
<td>3,738,581</td>
</tr>
<tr>
<td></td>
<td>SOUTHCOM—Maritime Patrol Aircraft Expansion</td>
<td></td>
<td>[58,500]</td>
</tr>
<tr>
<td></td>
<td>SOUTHCOM—Mission and Other Ship Operations</td>
<td></td>
<td>[18,000]</td>
</tr>
<tr>
<td></td>
<td>UFR: Funding to support 6k additional endstrength</td>
<td></td>
<td>[680]</td>
</tr>
<tr>
<td></td>
<td>UFR: Organizational Clothing &amp; Indiv. Equipment maintenance</td>
<td></td>
<td>[26,500]</td>
</tr>
<tr>
<td>080</td>
<td>LAND FORCES SYSTEMS READINESS</td>
<td>466,720</td>
<td>471,592</td>
</tr>
<tr>
<td></td>
<td>UFR: Medical equipment</td>
<td></td>
<td>[4,872]</td>
</tr>
<tr>
<td>090</td>
<td>LAND FORCES DEPOT MAINTENANCE</td>
<td>1,443,516</td>
<td>1,740,116</td>
</tr>
<tr>
<td></td>
<td>Realignment of depot operations from OCO</td>
<td></td>
<td>[250,000]</td>
</tr>
<tr>
<td></td>
<td>UFR: Depot Maintenance</td>
<td></td>
<td>[46,600]</td>
</tr>
<tr>
<td>100</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>8,080,357</td>
<td>8,093,557</td>
</tr>
<tr>
<td></td>
<td>UFR: Support 6k additional endstrength</td>
<td></td>
<td>[50,180]</td>
</tr>
<tr>
<td>110</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>3,401,155</td>
<td>4,060,382</td>
</tr>
<tr>
<td></td>
<td>Demolition of excess facilities</td>
<td></td>
<td>[50,000]</td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td></td>
<td>[154,500]</td>
</tr>
<tr>
<td></td>
<td>Restore sustainment shortfall</td>
<td></td>
<td>[424,547]</td>
</tr>
<tr>
<td></td>
<td>UFR: Support 6k additional endstrength</td>
<td></td>
<td>[50,180]</td>
</tr>
<tr>
<td>120</td>
<td>MANAGEMENT AND OPERATIONAL HEADQUARTERS</td>
<td>443,790</td>
<td>443,790</td>
</tr>
<tr>
<td>140</td>
<td>ADDITIONAL ACTIVITIES</td>
<td>8,900</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>US AFRICA COMMAND</td>
<td>225,382</td>
<td>225,382</td>
</tr>
<tr>
<td>160</td>
<td>US EUROPEAN COMMAND</td>
<td>141,352</td>
<td>141,352</td>
</tr>
<tr>
<td>170</td>
<td>US SOUTHERN COMMAND</td>
<td>190,811</td>
<td>194,311</td>
</tr>
<tr>
<td></td>
<td>Mission and Other Ship Operations</td>
<td></td>
<td>[5,500]</td>
</tr>
<tr>
<td>210</td>
<td>US FORCES KOREA</td>
<td>59,578</td>
<td>59,578</td>
</tr>
<tr>
<td></td>
<td>UFR: Support 6k additional endstrength</td>
<td></td>
<td>[50,180]</td>
</tr>
<tr>
<td></td>
<td>UFR: Support 6k additional endstrength</td>
<td></td>
<td>[50,180]</td>
</tr>
<tr>
<td></td>
<td>UFR: Support 6k additional endstrength</td>
<td></td>
<td>[50,180]</td>
</tr>
<tr>
<td></td>
<td>UFR: Support 6k additional endstrength</td>
<td></td>
<td>[50,180]</td>
</tr>
</tbody>
</table>

**SUBTOTAL OPERATING FORCES**: 23,752,390

**MOBILIZATION**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>STRATEGIC MOBILITY</td>
<td>346,667</td>
<td>347,791</td>
</tr>
<tr>
<td></td>
<td>UFR: Readiness increase</td>
<td></td>
<td>[1,124]</td>
</tr>
<tr>
<td>230</td>
<td>ARMY PREPOSITIONED STOCKS</td>
<td>422,108</td>
<td>427,346</td>
</tr>
<tr>
<td></td>
<td>UFR: Readiness increase</td>
<td></td>
<td>[5,238]</td>
</tr>
<tr>
<td>240</td>
<td>INDUSTRIAL PREPAREDNESS</td>
<td>7,750</td>
<td>7,750</td>
</tr>
</tbody>
</table>

**SUBTOTAL MOBILIZATION**: 776,525

**TRAINING AND RECRUITING**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>OFFICER ACQUISITION</td>
<td>137,556</td>
<td>137,556</td>
</tr>
<tr>
<td>260</td>
<td>RECRUIT TRAINING</td>
<td>58,872</td>
<td>60,264</td>
</tr>
<tr>
<td></td>
<td>UFR: Recruit training</td>
<td></td>
<td>[1,392]</td>
</tr>
<tr>
<td>270</td>
<td>ONE STATION UNIT TRAINING</td>
<td>58,035</td>
<td>59,921</td>
</tr>
<tr>
<td></td>
<td>UFR: One Station Unit Training</td>
<td></td>
<td>[1,886]</td>
</tr>
</tbody>
</table>
### SEC. 4301. OPERATION AND MAINTENANCE

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>280</td>
<td>SENIOR RESERVE OFFICERS TRAINING CORPS</td>
<td>$505,889</td>
<td>$505,762</td>
</tr>
<tr>
<td>290</td>
<td>SPECIALIZED SKILL TRAINING</td>
<td>$1,015,541</td>
<td>$1,033,978</td>
</tr>
<tr>
<td></td>
<td>Leadership development and training</td>
<td>$[4,144]</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>FLIGHT TRAINING</td>
<td>$1,124,115</td>
<td>$1,124,115</td>
</tr>
<tr>
<td>310</td>
<td>PROFESSIONAL DEVELOPMENT EDUCATION</td>
<td>$220,688</td>
<td>$220,688</td>
</tr>
<tr>
<td>320</td>
<td>TRAINING SUPPORT</td>
<td>$618,164</td>
<td>$621,690</td>
</tr>
<tr>
<td></td>
<td>Department of the Army directed training</td>
<td>$[3,526]</td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>RECRUITING AND ADVERTISING</td>
<td>$613,586</td>
<td>$624,259</td>
</tr>
<tr>
<td>340</td>
<td>EXAMINING</td>
<td>$171,223</td>
<td>$171,223</td>
</tr>
<tr>
<td>350</td>
<td>OFF-DUTY AND VOLUNTARY EDUCATION</td>
<td>$214,718</td>
<td>$215,088</td>
</tr>
<tr>
<td>360</td>
<td>CIVILIAN EDUCATION AND TRAINING</td>
<td>$195,099</td>
<td>$195,099</td>
</tr>
<tr>
<td>370</td>
<td>JUNIOR RESERVE OFFICER TRAINING CORPS</td>
<td>$176,116</td>
<td>$176,116</td>
</tr>
</tbody>
</table>

**SUBTOTAL TRAINING AND RECRUITING**: $5,108,822

**ADMIN & SRVWIDE ACTIVITIES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>390</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>$555,592</td>
<td>$769,965</td>
</tr>
<tr>
<td></td>
<td>Logistics associated with increased end strength</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Supports transportation equipment</td>
<td>$[57,900]</td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>CENTRAL SUPPLY ACTIVITIES</td>
<td>$894,208</td>
<td>$894,208</td>
</tr>
<tr>
<td>410</td>
<td>LOGISTIC SUPPORT ACTIVITIES</td>
<td>$715,462</td>
<td>$715,462</td>
</tr>
<tr>
<td>420</td>
<td>AMMUNITION MANAGEMENT</td>
<td>$446,931</td>
<td>$446,931</td>
</tr>
<tr>
<td>430</td>
<td>ADMINISTRATION</td>
<td>$493,616</td>
<td>$493,616</td>
</tr>
<tr>
<td>440</td>
<td>SERVICEWIDE COMMUNICATIONS</td>
<td>$2,084,922</td>
<td>$2,112,822</td>
</tr>
<tr>
<td></td>
<td>Annual maintenance of Enterprise License Agreements</td>
<td>$[17,900]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Army Regional Cyber Centres capabilities</td>
<td>$[10,000]</td>
<td></td>
</tr>
<tr>
<td>450</td>
<td>MANPOWER MANAGEMENT</td>
<td>$259,588</td>
<td>$259,588</td>
</tr>
<tr>
<td>460</td>
<td>OTHER PERSONNEL SUPPORT</td>
<td>$326,387</td>
<td>$326,387</td>
</tr>
<tr>
<td>470</td>
<td>OTHER SERVICE SUPPORT</td>
<td>$1,087,602</td>
<td>$1,073,517</td>
</tr>
<tr>
<td></td>
<td>Program decrease</td>
<td>$[3,085]</td>
<td></td>
</tr>
<tr>
<td>480</td>
<td>ARMY CLAIMS ACTIVITIES</td>
<td>$210,514</td>
<td>$214,014</td>
</tr>
<tr>
<td></td>
<td>UFR: Supports JAG increase needs</td>
<td>$[5,500]</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>REAL ESTATE MANAGEMENT</td>
<td>$243,584</td>
<td>$256,737</td>
</tr>
<tr>
<td></td>
<td>UFR: Supports engineering services</td>
<td>$[13,153]</td>
<td></td>
</tr>
<tr>
<td>500</td>
<td>FINANCIAL MANAGEMENT AND AUDIT READINESS</td>
<td>$284,592</td>
<td>$284,592</td>
</tr>
<tr>
<td>510</td>
<td>INTERNATIONAL MILITARY HEADQUARTERS</td>
<td>$415,894</td>
<td>$415,894</td>
</tr>
<tr>
<td>520</td>
<td>MISC. SUPPORT OF OTHER NATIONS</td>
<td>$46,856</td>
<td>$46,856</td>
</tr>
<tr>
<td>565</td>
<td>CLASSIFIED PROGRAMS</td>
<td>$1,242,222</td>
<td>$1,247,222</td>
</tr>
<tr>
<td></td>
<td>Army Analytics Group</td>
<td>$[5,000]</td>
<td></td>
</tr>
</tbody>
</table>

**SUBTOTAL ADMIN & SRVWIDE ACTIVITIES**: $9,307,680

**UNDISTRIBUTED**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>570</td>
<td>UNDISTRIBUTED</td>
<td>$[31,588]</td>
<td>$[31,588]</td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td>$[–14,085]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foreign Currency adjustments</td>
<td>$[–14,085]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Historical unobligated balances</td>
<td>$[–238,400]</td>
<td></td>
</tr>
</tbody>
</table>

**SUBTOTAL UNDISTRIBUTED**: $[–415,900]

**TOTAL OPERATION & MAINTENANCE, ARMY**: $38,945,417

**OPERATION & MAINTENANCE, ARMY RES OPERATING FORCES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MODULAR SUPPORT BRIGADES</td>
<td>$11,461</td>
<td>$11,747</td>
</tr>
<tr>
<td></td>
<td>UFR: ARNG Operational Demand Model to 82%</td>
<td>$[286]</td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>$577,410</td>
<td>$581,653</td>
</tr>
<tr>
<td></td>
<td>UFR: ARNG Operational Demand Model to 82%</td>
<td>$[15,643]</td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>THEATER LEVEL ASSETS</td>
<td>$117,288</td>
<td>$122,016</td>
</tr>
<tr>
<td></td>
<td>UFR: Operational Demand Model to 82%</td>
<td>$[4,718]</td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>$552,016</td>
<td>$564,934</td>
</tr>
<tr>
<td></td>
<td>UFR: Operational Demand Model to 82%</td>
<td>$[12,918]</td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>AVIATION ASSETS</td>
<td>$80,392</td>
<td>$81,461</td>
</tr>
<tr>
<td></td>
<td>Increase aviation readiness</td>
<td>$[1,159]</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>$399,035</td>
<td>$403,858</td>
</tr>
<tr>
<td></td>
<td>Pay and allowances for career development training</td>
<td>$[223]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Support additional capacity</td>
<td>$[4,600]</td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>LAND FORCES SYSTEMS READINESS</td>
<td>$102,687</td>
<td>$102,687</td>
</tr>
<tr>
<td>080</td>
<td>LAND FORCES DEPOT MAINTENANCE</td>
<td>$56,016</td>
<td>$56,016</td>
</tr>
</tbody>
</table>
### SEC. 4301. OPERATION AND MAINTENANCE

(Operations and Maintenance

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>090</td>
<td>MANEUVER UNITS</td>
<td>777,883</td>
<td>794,862</td>
</tr>
<tr>
<td>090</td>
<td>UFR: Support increased endstrength</td>
<td>[16,979]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>MODULAR SUPPORT BRIGADES</td>
<td>190,639</td>
<td>190,639</td>
</tr>
<tr>
<td>090</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>807,557</td>
<td>819,457</td>
</tr>
<tr>
<td>090</td>
<td>UFR: Operational Demand Model to 82%</td>
<td>[11,900]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>TACTICAL LEVEL ASSETS</td>
<td>85,476</td>
<td>93,976</td>
</tr>
<tr>
<td>090</td>
<td>UFR: Operational Demand Model to 82%</td>
<td>[7,900]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>36,672</td>
<td>38,857</td>
</tr>
<tr>
<td>090</td>
<td>UFR: Increased aviation readiness</td>
<td>[2,225]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>AVIATION ASSETS</td>
<td>956,381</td>
<td>974,581</td>
</tr>
<tr>
<td>090</td>
<td>Increase aviation readiness</td>
<td>[18,200]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>777,756</td>
<td>777,856</td>
</tr>
<tr>
<td>090</td>
<td>UFR: Support increased capacity</td>
<td>[100]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>LAND FORCES SYSTEMS READINESS</td>
<td>51,506</td>
<td>51,506</td>
</tr>
<tr>
<td>090</td>
<td>LAND FORCES DEPOT MAINTENANCE</td>
<td>244,942</td>
<td>244,942</td>
</tr>
<tr>
<td>090</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>1,144,726</td>
<td>1,148,576</td>
</tr>
<tr>
<td>090</td>
<td>UFR: Support increased endstrength</td>
<td>[3,830]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>781,895</td>
<td>901,734</td>
</tr>
<tr>
<td>090</td>
<td>Demolition of excess facilities</td>
<td>[25,000]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>UFR: Address facility restoration backlog</td>
<td>[20,108]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>UFR: Facilities sustainment improvement</td>
<td>[74,731]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>MANAGEMENT AND OPERATIONAL HEADQUARTERS</td>
<td>999,052</td>
<td>1,012,877</td>
</tr>
<tr>
<td>090</td>
<td>UFR: Support increased endstrength</td>
<td>[550]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>2,793,021</td>
<td>2,883,868</td>
</tr>
<tr>
<td>090</td>
<td>UNDISTRIBUTED</td>
<td>–3,800</td>
<td>–3,800</td>
</tr>
<tr>
<td>090</td>
<td>Excessive standard price for fuel</td>
<td>–3,800</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td>–3,800</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES</td>
<td>2,906,842</td>
<td>2,996,289</td>
</tr>
</tbody>
</table>

### ADMIN & SRVWD ACTIVITIES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>129</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>11,116</td>
<td>11,116</td>
</tr>
<tr>
<td>130</td>
<td>ADMINISTRATION</td>
<td>17,962</td>
<td>17,962</td>
</tr>
<tr>
<td>140</td>
<td>SERVICEWIDE COMMUNICATIONS</td>
<td>18,550</td>
<td>20,950</td>
</tr>
<tr>
<td>140</td>
<td>UFR: Equipment support</td>
<td>[2,400]</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>MANPOWER MANAGEMENT</td>
<td>6,166</td>
<td>6,166</td>
</tr>
<tr>
<td>160</td>
<td>RECRUITING AND ADVERTISING</td>
<td>60,027</td>
<td>60,027</td>
</tr>
<tr>
<td>160</td>
<td>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</td>
<td>115,821</td>
<td>116,221</td>
</tr>
</tbody>
</table>

### UNDISTRIBUTED

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>190</td>
<td>UNDISTRIBUTED</td>
<td>–3,800</td>
<td>–3,800</td>
</tr>
</tbody>
</table>

### ADMIN & SRVWD ACTIVITIES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>130</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>7,703</td>
<td>7,703</td>
</tr>
<tr>
<td>140</td>
<td>ADMINISTRATION</td>
<td>79,236</td>
<td>80,386</td>
</tr>
<tr>
<td>150</td>
<td>SERVICEWIDE COMMUNICATIONS</td>
<td>85,160</td>
<td>94,760</td>
</tr>
<tr>
<td>150</td>
<td>Annual maintenance of Enterprise License Agreements</td>
<td>[9,600]</td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>MANPOWER MANAGEMENT</td>
<td>8,654</td>
<td>8,654</td>
</tr>
<tr>
<td>170</td>
<td>OTHER PERSONNEL SUPPORT</td>
<td>268,839</td>
<td>277,339</td>
</tr>
<tr>
<td>170</td>
<td>UFR: Behavior Health Specialists</td>
<td>[8,500]</td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>REAL ESTATE MANAGEMENT</td>
<td>3,093</td>
<td>3,093</td>
</tr>
<tr>
<td>180</td>
<td>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</td>
<td>452,685</td>
<td>471,935</td>
</tr>
</tbody>
</table>

### UNDISTRIBUTED

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>190</td>
<td>UNDISTRIBUTED</td>
<td>–16,100</td>
<td>–16,100</td>
</tr>
<tr>
<td>190</td>
<td>Excessive standard price for fuel</td>
<td>–16,100</td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL UNDISTRIBUTED</strong></td>
<td>-16,100</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, ARNG</strong></td>
<td>7,307,170</td>
<td>7,491,553</td>
</tr>
<tr>
<td></td>
<td><strong>OPERATION &amp; MAINTENANCE, NAVY OPERATING FORCES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>MISSION AND OTHER FLIGHT OPERATIONS</td>
<td>5,544,165</td>
<td>5,566,165</td>
</tr>
<tr>
<td></td>
<td>C4I logistics Mnt for TAO–187</td>
<td></td>
<td>[22,000]</td>
</tr>
<tr>
<td>020</td>
<td>FLEET AIR TRAINING</td>
<td>2,075,000</td>
<td>2,075,000</td>
</tr>
<tr>
<td>030</td>
<td>AVIATION TECHNICAL DATA &amp; ENGINEERING SERVICES</td>
<td>46,801</td>
<td>46,801</td>
</tr>
<tr>
<td>040</td>
<td>AIR OPERATIONS AND SAFETY SUPPORT</td>
<td>119,624</td>
<td>119,624</td>
</tr>
<tr>
<td>050</td>
<td>AIR SYSTEMS SUPPORT</td>
<td>552,536</td>
<td>594,536</td>
</tr>
<tr>
<td></td>
<td>UFR: Fund to Max Executable</td>
<td></td>
<td>[42,000]</td>
</tr>
<tr>
<td>060</td>
<td>AIRCRAFT DEPOT MAINTENANCE</td>
<td>1,088,482</td>
<td>1,088,482</td>
</tr>
<tr>
<td>070</td>
<td>AIRCRAFT DEPOT OPERATIONS SUPPORT</td>
<td>40,584</td>
<td>40,584</td>
</tr>
<tr>
<td>080</td>
<td>AVIATION LOGISTICS</td>
<td>723,786</td>
<td>843,786</td>
</tr>
<tr>
<td></td>
<td>UFR: Fund to Max Executable</td>
<td></td>
<td>[120,000]</td>
</tr>
<tr>
<td>090</td>
<td>MISSION AND OTHER SHIP OPERATIONS</td>
<td>4,067,334</td>
<td>4,087,334</td>
</tr>
<tr>
<td>100</td>
<td>SHIP OPERATIONS SUPPORT &amp; TRAINING</td>
<td>977,701</td>
<td>977,701</td>
</tr>
<tr>
<td>110</td>
<td>SHIP DEPOT MAINTENANCE</td>
<td>7,839,358</td>
<td>7,839,358</td>
</tr>
<tr>
<td>120</td>
<td>SHIP DEPOT OPERATIONS SUPPORT</td>
<td>2,191,851</td>
<td>2,191,851</td>
</tr>
<tr>
<td>130</td>
<td>COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE</td>
<td>1,288,094</td>
<td>1,294,094</td>
</tr>
<tr>
<td></td>
<td>Logistics support for legacy C4I systems</td>
<td></td>
<td>[6,000]</td>
</tr>
<tr>
<td>150</td>
<td>SPACE SYSTEMS AND SURVEILLANCE</td>
<td>296,678</td>
<td>296,678</td>
</tr>
<tr>
<td>160</td>
<td>WARFARE TACTICS</td>
<td>621,581</td>
<td>622,581</td>
</tr>
<tr>
<td></td>
<td>UFR: Operational range Clearance and Environmental Compliance</td>
<td></td>
<td>[1,000]</td>
</tr>
<tr>
<td>170</td>
<td>OPERATIONAL METEOROLOGY AND OCEANOGRAPHY</td>
<td>370,681</td>
<td>370,681</td>
</tr>
<tr>
<td>180</td>
<td>COMBAT SUPPORT FORCES</td>
<td>1,437,966</td>
<td>1,454,966</td>
</tr>
<tr>
<td></td>
<td>Coastal Riverine Force meet operational requirements</td>
<td></td>
<td>[7,000]</td>
</tr>
<tr>
<td></td>
<td>COMPACT/F C4I Upgrade</td>
<td></td>
<td>[10,000]</td>
</tr>
<tr>
<td>190</td>
<td>EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT</td>
<td>162,705</td>
<td>162,705</td>
</tr>
<tr>
<td>210</td>
<td>COMBATANT COMMANDERS CORE OPERATIONS</td>
<td>65,188</td>
<td>65,188</td>
</tr>
<tr>
<td>220</td>
<td>COMBATANT COMMANDERS DIRECT MISSION SUPPORT</td>
<td>86,892</td>
<td>85,992</td>
</tr>
<tr>
<td></td>
<td>Joint Training Capability and Exercise Programs</td>
<td></td>
<td>[64,100]</td>
</tr>
<tr>
<td></td>
<td>No-Notice Agile Logistics Exercise</td>
<td></td>
<td>[5,000]</td>
</tr>
<tr>
<td>230</td>
<td>MILITARY INFORMATION SUPPORT OPERATIONS</td>
<td>8,427</td>
<td>8,427</td>
</tr>
<tr>
<td>240</td>
<td>CYBERSPACE ACTIVITIES</td>
<td>385,212</td>
<td>385,212</td>
</tr>
<tr>
<td>260</td>
<td>FLEET BALLISTIC MISSILE</td>
<td>1,278,456</td>
<td>1,278,456</td>
</tr>
<tr>
<td>280</td>
<td>WEAPONS MAINTENANCE</td>
<td>745,680</td>
<td>750,680</td>
</tr>
<tr>
<td></td>
<td>UFR: Munitions wholesness</td>
<td></td>
<td>[3,000]</td>
</tr>
<tr>
<td>290</td>
<td>OTHER WEAPON SYSTEMS SUPPORT</td>
<td>380,016</td>
<td>380,016</td>
</tr>
<tr>
<td>300</td>
<td>ENTERPRISE INFORMATION</td>
<td>914,428</td>
<td>914,428</td>
</tr>
<tr>
<td>310</td>
<td>SUSTAINMENT, RESTORATION AND MODERNIZATION</td>
<td>1,905,679</td>
<td>2,290,879</td>
</tr>
<tr>
<td></td>
<td>Demolition of excess facilities</td>
<td></td>
<td>[50,000]</td>
</tr>
<tr>
<td></td>
<td>NIHR: Reduction</td>
<td></td>
<td>[–29,000]</td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td></td>
<td>[87,200]</td>
</tr>
<tr>
<td></td>
<td>UFR: 88% of Facility Sustainment requirements</td>
<td></td>
<td>[277,000]</td>
</tr>
<tr>
<td>320</td>
<td>BANK OPERATING SUPPORT</td>
<td>4,333,688</td>
<td>4,556,688</td>
</tr>
<tr>
<td></td>
<td>Operational range clearance</td>
<td></td>
<td>[11,000]</td>
</tr>
<tr>
<td></td>
<td>Port Operations Service Craft Maintenance</td>
<td></td>
<td>[12,000]</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL UNDISTRIBUTED</strong></td>
<td>39,460,513</td>
<td>40,150,813</td>
</tr>
<tr>
<td></td>
<td><strong>MOBILIZATION</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>SHIP PREPOSITIONING AND SURGE</td>
<td>417,450</td>
<td>427,450</td>
</tr>
<tr>
<td></td>
<td>UFR: Strategic Seafaritan</td>
<td></td>
<td>[10,000]</td>
</tr>
<tr>
<td>360</td>
<td>SHIP ACTIVATIONS/INACTIVATIONS</td>
<td>198,341</td>
<td>198,341</td>
</tr>
<tr>
<td>370</td>
<td>EXPEDITIONARY HEALTH SERVICES SYSTEMS</td>
<td>66,849</td>
<td>66,849</td>
</tr>
<tr>
<td>390</td>
<td>COAST GUARD SUPPORT</td>
<td>21,870</td>
<td>21,870</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL MOBILIZATION</strong></td>
<td>704,510</td>
<td>714,510</td>
</tr>
<tr>
<td></td>
<td><strong>TRAINING AND RECRUITING</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>OFFICER ACQUISITION</td>
<td>143,924</td>
<td>143,924</td>
</tr>
<tr>
<td>410</td>
<td>RECRUIT TRAINING</td>
<td>8,975</td>
<td>8,975</td>
</tr>
<tr>
<td>420</td>
<td>RESERVE OFFICERS TRAINING CORPS</td>
<td>144,708</td>
<td>144,708</td>
</tr>
<tr>
<td>430</td>
<td>SPECIALIZED SKILL TRAINING</td>
<td>812,708</td>
<td>812,708</td>
</tr>
<tr>
<td>450</td>
<td>PROFESSIONAL DEVELOPMENT EDUCATION</td>
<td>180,448</td>
<td>182,448</td>
</tr>
<tr>
<td></td>
<td>Naval Sea Cadets</td>
<td></td>
<td>[2,000]</td>
</tr>
<tr>
<td>460</td>
<td>TRAINING SUPPORT</td>
<td>234,596</td>
<td>234,596</td>
</tr>
</tbody>
</table>
## SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>470</td>
<td>RECRUITING AND ADVERTISING</td>
<td>177,517</td>
<td>177,517</td>
</tr>
<tr>
<td>480</td>
<td>OFF-DUTY AND VOLUNTARY EDUCATION</td>
<td>103,154</td>
<td>103,154</td>
</tr>
<tr>
<td>490</td>
<td>CIVILIAN EDUCATION AND TRAINING</td>
<td>72,216</td>
<td>72,216</td>
</tr>
<tr>
<td>500</td>
<td>JUNIOR ROTC</td>
<td>53,262</td>
<td>53,262</td>
</tr>
</tbody>
</table>

**SUBTOTAL TRAINING AND RECRUITING** | 1,931,508 | 1,933,508 |

### ADMIN & SRVWD ACTIVITIES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>510</td>
<td>ADMINISTRATION</td>
<td>1,135,429</td>
<td>1,126,429</td>
</tr>
</tbody>
</table>

Program decrease: [–9,000]

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>530</td>
<td>CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT</td>
<td>149,365</td>
<td>149,365</td>
</tr>
<tr>
<td>540</td>
<td>MILITARY MANPOWER AND PERSONNEL MANAGEMENT</td>
<td>386,749</td>
<td>386,749</td>
</tr>
<tr>
<td>590</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>165,301</td>
<td>165,301</td>
</tr>
<tr>
<td>610</td>
<td>PLANNING, ENGINEERING, AND PROGRAM SUPPORT</td>
<td>311,616</td>
<td>311,616</td>
</tr>
<tr>
<td>620</td>
<td>ACQUISITION, LOGISTICS, AND OVERSIGHT</td>
<td>665,580</td>
<td>665,580</td>
</tr>
<tr>
<td>660</td>
<td>INVESTIGATIVE AND SECURITY SERVICES</td>
<td>659,143</td>
<td>659,143</td>
</tr>
<tr>
<td>775</td>
<td>CLASSIFIED PROGRAMS</td>
<td>543,193</td>
<td>543,193</td>
</tr>
</tbody>
</table>

**SUBTOTAL ADMIN & SRVWD ACTIVITIES** | 4,016,376 | 4,007,376 |

### UNDISTRIBUTED

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>780</td>
<td>UNDISTRIBUTED</td>
<td>–415,400</td>
<td>–415,400</td>
</tr>
</tbody>
</table>

Excessive standard price for fuel: [–216,600]

Foreign Currency adjustments: [–35,300]

Historical unobligated balances: [–163,500]

**SUBTOTAL UNDISTRIBUTED** | –415,400 | –415,400 |

### TOTAL OPERATION & MAINTENANCE, NAVY

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>OPERATIONAL FORCES</td>
<td>967,949</td>
<td>967,949</td>
</tr>
<tr>
<td>020</td>
<td>FIELD LOGISTICS</td>
<td>1,065,090</td>
<td>1,068,190</td>
</tr>
</tbody>
</table>

UFR: Long Endurance Small UAS: [3,100]

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>030</td>
<td>DEPOT MAINTENANCE</td>
<td>286,635</td>
<td>286,635</td>
</tr>
<tr>
<td>040</td>
<td>MARITIME PREPOSITIONING</td>
<td>85,577</td>
<td>85,577</td>
</tr>
<tr>
<td>050</td>
<td>CYBERSPACE ACTIVITIES</td>
<td>181,518</td>
<td>181,518</td>
</tr>
<tr>
<td>060</td>
<td>SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>785,264</td>
<td>904,355</td>
</tr>
</tbody>
</table>

Demolition of excess facilities: [40,000]

Restore restoration and modernization shortfalls: [53,300]

UFR: Facilities Sustainment to 80%: [43,791]

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>070</td>
<td>BASE OPERATING SUPPORT</td>
<td>2,196,252</td>
<td>2,196,252</td>
</tr>
</tbody>
</table>

**SUBTOTAL OPERATING FORCES** | 5,668,285 | 5,690,476 |

### TRAINING AND RECRUITING

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>080</td>
<td>RECRUIT TRAINING</td>
<td>16,163</td>
<td>16,163</td>
</tr>
<tr>
<td>090</td>
<td>OFFICER ACQUISITION</td>
<td>1,154</td>
<td>1,154</td>
</tr>
<tr>
<td>100</td>
<td>SPECIALIZED SKILL TRAINING</td>
<td>100,398</td>
<td>100,398</td>
</tr>
<tr>
<td>110</td>
<td>PROFESSIONAL DEVELOPMENT EDUCATION</td>
<td>46,474</td>
<td>46,474</td>
</tr>
<tr>
<td>120</td>
<td>TRAINING SUPPORT</td>
<td>405,039</td>
<td>405,039</td>
</tr>
<tr>
<td>130</td>
<td>RECRUITING AND ADVERTISING</td>
<td>201,601</td>
<td>201,601</td>
</tr>
<tr>
<td>140</td>
<td>OFF-DUTY AND VOLUNTARY EDUCATION</td>
<td>32,045</td>
<td>32,045</td>
</tr>
<tr>
<td>150</td>
<td>JUNIOR ROTC</td>
<td>24,394</td>
<td>24,394</td>
</tr>
</tbody>
</table>

**SUBTOTAL TRAINING AND RECRUITING** | 827,268 | 827,268 |

### ADMIN & SRVWD ACTIVITIES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>28,827</td>
<td>28,827</td>
</tr>
<tr>
<td>170</td>
<td>ADMINISTRATION</td>
<td>378,683</td>
<td>375,683</td>
</tr>
</tbody>
</table>

Program decrease: [–3,000]

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>190</td>
<td>ACQUISITION AND PROGRAM MANAGEMENT</td>
<td>77,684</td>
<td>77,684</td>
</tr>
<tr>
<td>215</td>
<td>CLASSIFIED PROGRAMS</td>
<td>52,661</td>
<td>52,661</td>
</tr>
</tbody>
</table>

**SUBTOTAL ADMIN & SRVWD ACTIVITIES** | 537,855 | 534,855 |

### UNDISTRIBUTED

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>UNDISTRIBUTED</td>
<td>–36,900</td>
<td>–36,900</td>
</tr>
</tbody>
</table>

Excessive standard price for fuel: [–2,700]

Foreign Currency adjustments: [–11,400]

Historical unobligated balances: [–22,800]

**SUBTOTAL UNDISTRIBUTED** | –36,900 | –36,900 |

### TOTAL OPERATION & MAINTENANCE, MARINE CORPS

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>444</td>
<td>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS</td>
<td>6,933,408</td>
<td>7,015,699</td>
</tr>
</tbody>
</table>
## SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>598,876</td>
<td>598,876</td>
</tr>
<tr>
<td>020</td>
<td>INTERMEDIATE MAINTENANCE</td>
<td>5,902</td>
<td>5,902</td>
</tr>
<tr>
<td>030</td>
<td>AIRCRAFT DEPOT MAINTENANCE</td>
<td>94,861</td>
<td>94,861</td>
</tr>
<tr>
<td>040</td>
<td>AIRCRAFT DEPOT OPERATIONS SUPPORT</td>
<td>381</td>
<td>381</td>
</tr>
<tr>
<td>050</td>
<td>AVIATION LOGISTICS</td>
<td>13,822</td>
<td>13,822</td>
</tr>
<tr>
<td>060</td>
<td>SHIP OPERATIONS SUPPORT &amp; TRAINING</td>
<td>571</td>
<td>571</td>
</tr>
<tr>
<td>070</td>
<td>COMBAT COMMUNICATIONS</td>
<td>16,718</td>
<td>16,718</td>
</tr>
<tr>
<td>080</td>
<td>COMBAT SUPPORT FORCES</td>
<td>118,079</td>
<td>118,079</td>
</tr>
<tr>
<td>090</td>
<td>CYBERSPACE ACTIVITIES</td>
<td>308</td>
<td>308</td>
</tr>
<tr>
<td>100</td>
<td>ENTERPRISE INFORMATION</td>
<td>28,650</td>
<td>28,650</td>
</tr>
<tr>
<td>110</td>
<td>SUSTAINMENT, RESTORATION AND MODERNIZATION</td>
<td>86,354</td>
<td>95,854</td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td>[1,500]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restore sustainment shortfalls</td>
<td>[8,000]</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>BASE OPERATING SUPPORT</td>
<td>103,596</td>
<td>103,596</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>1,066,118</strong></td>
<td><strong>1,075,618</strong></td>
</tr>
<tr>
<td></td>
<td><strong>ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td><strong>1,371</strong></td>
<td><strong>1,371</strong></td>
</tr>
<tr>
<td>130</td>
<td>ADMINISTRATION</td>
<td>13,289</td>
<td>13,289</td>
</tr>
<tr>
<td>140</td>
<td>MILITARY MANPOWER AND PERSONNEL MANAGEMENT</td>
<td>3,229</td>
<td>3,229</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td><strong>17,889</strong></td>
<td><strong>17,889</strong></td>
</tr>
<tr>
<td></td>
<td><strong>UNDISTRIBUTED</strong></td>
<td><strong>–14,800</strong></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>UNDISTRIBUTED</td>
<td>–500</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL UNDISTRIBUTED</strong></td>
<td><strong>–500</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES</strong></td>
<td><strong>1,084,007</strong></td>
<td><strong>1,078,707</strong></td>
</tr>
</tbody>
</table>

### OPERATION & MAINTENANCE, NAVY RES OPERATING FORCES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MISSION AND OTHER FLIGHT OPERATIONS</td>
<td>103,468</td>
<td>103,468</td>
</tr>
<tr>
<td>020</td>
<td>DEPOT MAINTENANCE</td>
<td>18,794</td>
<td>18,794</td>
</tr>
<tr>
<td>030</td>
<td>SUSTAINMENT, RESTORATION AND MODERNIZATION</td>
<td>32,777</td>
<td>37,754</td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td>[3,900]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Facilities Sustainment to 80%</td>
<td>[1,077]</td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>BASE OPERATING SUPPORT</td>
<td>111,213</td>
<td>111,213</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>266,252</strong></td>
<td><strong>271,229</strong></td>
</tr>
</tbody>
</table>

### ADMIN & SRVWD ACTIVITIES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>060</td>
<td>ADMINISTRATION</td>
<td>12,585</td>
<td>12,585</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td><strong>12,585</strong></td>
<td><strong>12,585</strong></td>
</tr>
</tbody>
</table>

### UNDISTRIBUTED

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>080</td>
<td>UNDISTRIBUTED</td>
<td>–500</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL UNDISTRIBUTED</strong></td>
<td><strong>–500</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, MC RESERVE</strong></td>
<td><strong>278,837</strong></td>
<td><strong>283,314</strong></td>
</tr>
</tbody>
</table>

### OPERATION & MAINTENANCE, AIR FORCE OPERATING FORCES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>PRIMARY COMBAT FORCES</td>
<td>694,702</td>
<td>718,102</td>
</tr>
<tr>
<td></td>
<td>Adversarial Air Training: mission qualification</td>
<td>[10,200]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: SC3 &amp; Other Nuclear Requirements</td>
<td>[9,800]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: PACAF Contingency Reserve Group</td>
<td>[4,200]</td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>COMBAT ENHANCEMENT FORCES</td>
<td>1,392,326</td>
<td>1,618,626</td>
</tr>
<tr>
<td></td>
<td>Air and Space Operations Center</td>
<td>[104,800]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Airmen Readiness Training</td>
<td>[8,900]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Cyber Requirements</td>
<td>[70,400]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unified capabilities</td>
<td>[42,200]</td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)</td>
<td>1,128,640</td>
<td>1,231,140</td>
</tr>
<tr>
<td></td>
<td>F-35 maintenance instructors</td>
<td>[49,700]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Readiness decision support enterprise</td>
<td>[1,600]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Contract Adversary Air</td>
<td>[51,200]</td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>040</td>
<td>DEPOT PURCHASE EQUIPMENT MAINTENANCE</td>
<td>2,755,367</td>
<td>2,854,567</td>
</tr>
<tr>
<td></td>
<td>UFR: Airman Readiness Training</td>
<td>[7,100]</td>
<td>[92,100]</td>
</tr>
<tr>
<td>050</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>3,292,533</td>
<td>3,799,853</td>
</tr>
<tr>
<td></td>
<td>Demolition of excess facilities</td>
<td>[56,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td>[151,300]</td>
<td>[304,000]</td>
</tr>
<tr>
<td>060</td>
<td>CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</td>
<td>6,555,186</td>
<td>6,752,686</td>
</tr>
<tr>
<td></td>
<td>UFR: E-4B Maintenance personnel</td>
<td>[1,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: EC-130H Compass Call</td>
<td>[12,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Sustain 3 additional C-57B</td>
<td>[6,800]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Weapon Systems Sustainment</td>
<td>[177,700]</td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>FLYING HOUR PROGRAM</td>
<td>4,135,330</td>
<td>4,135,330</td>
</tr>
<tr>
<td>080</td>
<td>BASE SUPPORT</td>
<td>5,985,232</td>
<td>6,076,822</td>
</tr>
<tr>
<td></td>
<td>UFR: Funds mission readiness at installations</td>
<td>[91,600]</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>GLOBAL C3I AND EARLY WARNING</td>
<td>847,516</td>
<td>973,216</td>
</tr>
<tr>
<td></td>
<td>Space based readiness shortfalls</td>
<td>[122,900]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Cyber Requirements</td>
<td>[35,300]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: NUC &amp; Other Nuclear Requirements</td>
<td>[57,500]</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>OTHER COMBAT OPS SPT PROGRAMS</td>
<td>1,131,817</td>
<td>1,166,717</td>
</tr>
<tr>
<td></td>
<td>ISR sustainment and readiness</td>
<td>[9,800]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Cyber Requirements</td>
<td>[15,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: PACAF Contingency Response Group</td>
<td>[10,100]</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>LAUNCH FACILITIES</td>
<td>175,457</td>
<td>175,457</td>
</tr>
<tr>
<td>130</td>
<td>SPACE CONTROL SYSTEMS</td>
<td>354,458</td>
<td>368,458</td>
</tr>
<tr>
<td></td>
<td>Operationalizing commercial SSA</td>
<td>[15,000]</td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>US NORTHCOM/NORAD</td>
<td>189,891</td>
<td>189,891</td>
</tr>
<tr>
<td>170</td>
<td>US STRATCOM</td>
<td>534,236</td>
<td>534,236</td>
</tr>
<tr>
<td>180</td>
<td>US CYBERCOM</td>
<td>357,830</td>
<td>357,830</td>
</tr>
<tr>
<td>190</td>
<td>US CENTCOM</td>
<td>168,208</td>
<td>168,208</td>
</tr>
<tr>
<td>200</td>
<td>US SOCOM</td>
<td>2,280</td>
<td>2,280</td>
</tr>
<tr>
<td>210</td>
<td>US TRANSCOM</td>
<td>533</td>
<td>533</td>
</tr>
<tr>
<td>215</td>
<td>CLASSIFIED PROGRAMS</td>
<td>1,091,655</td>
<td>1,091,655</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td>30,792,217</td>
<td>32,215,617</td>
</tr>
<tr>
<td></td>
<td><strong>MOBILIZATION</strong></td>
<td>2,135,882</td>
<td>2,135,882</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL TRAINING AND RECRUITING</strong></td>
<td>3,292,533</td>
<td>3,799,853</td>
</tr>
<tr>
<td></td>
<td><strong>ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td>6,555,186</td>
<td>6,752,686</td>
</tr>
</tbody>
</table>

**Note:** Figures are in thousands of dollars.
### SEC. 4301. OPERATION AND MAINTENANCE

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>535</td>
<td>CLASSIFIED PROGRAMS</td>
<td>1,263,403</td>
<td>1,263,403</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</td>
<td>4,818,945</td>
<td>4,817,045</td>
</tr>
<tr>
<td>540</td>
<td>UNDISTRIBUTED</td>
<td>-404,900</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td>[-204,200]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foreign Currency adjustments</td>
<td>[-84,300]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Historical unobligated balances</td>
<td>[-156,300]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Child and Youth Compliance</td>
<td>[35,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Violence Prevention Program</td>
<td>[4,900]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td>-404,900</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE</td>
<td>39,447,982</td>
<td>40,501,982</td>
</tr>
<tr>
<td>010</td>
<td>PRIMARY COMBAT FORCES</td>
<td>1,801,007</td>
<td>1,801,007</td>
</tr>
<tr>
<td>029</td>
<td>MISSION SUPPORT OPERATIONS</td>
<td>210,642</td>
<td>210,642</td>
</tr>
<tr>
<td>030</td>
<td>DEPOT PURCHASE EQUIPMENT MAINTENANCE</td>
<td>401,867</td>
<td>401,867</td>
</tr>
<tr>
<td>040</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>124,951</td>
<td>140,251</td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td>[5,600]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restore sustainment shortfalls</td>
<td>[9,700]</td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</td>
<td>249,835</td>
<td>284,435</td>
</tr>
<tr>
<td></td>
<td>C-17 CLS workload</td>
<td>[5,700]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C-17 depot-level repairable</td>
<td>[12,100]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Weapon Systems Sustainment</td>
<td>[25,800]</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>BASE SUPPORT</td>
<td>371,878</td>
<td>405,878</td>
</tr>
<tr>
<td></td>
<td>UFR: Restore maintenance and repair</td>
<td>[54,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td>-404,900</td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>ADMINISTRATION</td>
<td>74,153</td>
<td>74,153</td>
</tr>
<tr>
<td>080</td>
<td>RECRUITING AND ADVERTISING</td>
<td>15,122</td>
<td>15,122</td>
</tr>
<tr>
<td>090</td>
<td>MILITARY MANPOWER AND PERS MGMT (ARPC)</td>
<td>12,765</td>
<td>12,765</td>
</tr>
<tr>
<td>100</td>
<td>OTHER PERS SUPPORT (DISABILITY COMP)</td>
<td>7,495</td>
<td>7,495</td>
</tr>
<tr>
<td>110</td>
<td>AUDIOVISUAL</td>
<td>392</td>
<td>392</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES</td>
<td>114,327</td>
<td>114,327</td>
</tr>
<tr>
<td>120</td>
<td>UNDISTRIBUTED</td>
<td>-33,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td>[-33,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td>-33,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE</td>
<td>3,267,507</td>
<td>3,267,407</td>
</tr>
<tr>
<td>010</td>
<td>AIRCRAFT OPERATIONS</td>
<td>3,175,055</td>
<td>3,175,055</td>
</tr>
<tr>
<td>029</td>
<td>MISSION SUPPORT OPERATIONS</td>
<td>764,582</td>
<td>764,582</td>
</tr>
<tr>
<td>030</td>
<td>DEPOT PURCHASE EQUIPMENT MAINTENANCE</td>
<td>867,063</td>
<td>867,063</td>
</tr>
<tr>
<td>040</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>372,690</td>
<td>372,690</td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td>[14,600]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restore sustainment shortfalls</td>
<td>[33,000]</td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</td>
<td>1,201,829</td>
<td>1,201,829</td>
</tr>
<tr>
<td></td>
<td>C-130 propulsion improvements</td>
<td>[16,100]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Maintenance for RC-26 a/c</td>
<td>[28,700]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sustain DCMS</td>
<td>[6,500]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Increase Weapons System Sustainment</td>
<td>[58,700]</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>BASE SUPPORT</td>
<td>583,664</td>
<td>583,664</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>6,797,783</td>
<td>6,973,883</td>
</tr>
<tr>
<td>070</td>
<td>ADMINISTRATION</td>
<td>44,955</td>
<td>44,955</td>
</tr>
<tr>
<td>080</td>
<td>RECRUITING AND ADVERTISING</td>
<td>97,230</td>
<td>97,230</td>
</tr>
</tbody>
</table>
### SEC. 4301. OPERATION AND MAINTENANCE

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</td>
<td>142,185</td>
<td>142,185</td>
</tr>
<tr>
<td>090</td>
<td>UNDISTRIBUTED</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNDISTRIBUTED</td>
<td>-65,300</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td></td>
<td>[-65,300]</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td></td>
<td>-65,300</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, ANG</td>
<td>6,939,968</td>
<td>7,050,768</td>
</tr>
<tr>
<td>010</td>
<td>JOINT CHIEFS OF STAFF</td>
<td>440,853</td>
<td>440,853</td>
</tr>
<tr>
<td>020</td>
<td>JOINT CHIEFS OF STAFF—CE2T2</td>
<td>551,511</td>
<td>551,511</td>
</tr>
<tr>
<td>040</td>
<td>SPECIAL OPERATIONS COMMAND/OPERATING FORCES</td>
<td>5,008,274</td>
<td>5,014,574</td>
</tr>
<tr>
<td></td>
<td>Unfunded Requirement—Joint Task Force Platform Expansion</td>
<td></td>
<td>[6,300]</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
<td></td>
<td>6,006,938</td>
</tr>
<tr>
<td>050</td>
<td>TRAINING AND RECRUITING</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DEFENSE ACQUISITION UNIVERSITY</td>
<td>144,970</td>
<td>149,970</td>
</tr>
<tr>
<td></td>
<td>Increase for curriculum development</td>
<td></td>
<td>[5,000]</td>
</tr>
<tr>
<td>060</td>
<td>JOINT CHIEFS OF STAFF</td>
<td>84,402</td>
<td>84,402</td>
</tr>
<tr>
<td>080</td>
<td>SPECIAL OPERATIONS COMMAND/TRAINING AND RECRUITING</td>
<td>379,462</td>
<td>379,462</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL TRAINING AND RECRUITING</td>
<td></td>
<td>613,834</td>
</tr>
<tr>
<td>090</td>
<td>ADMIN &amp; SRVWIDE ACTIVITIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CIVIL MILITARY PROGRAMS</td>
<td>183,000</td>
<td>209,500</td>
</tr>
<tr>
<td></td>
<td>National Guard Youth Challenge</td>
<td></td>
<td>[1,500]</td>
</tr>
<tr>
<td></td>
<td>STARRBASE</td>
<td>25,000</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>DEFENSE CONTRACT AUDIT AGENCY</td>
<td>597,836</td>
<td>597,836</td>
</tr>
<tr>
<td>120</td>
<td>DEFENSE CONTRACT MANAGEMENT AGENCY</td>
<td>1,439,010</td>
<td>1,439,010</td>
</tr>
<tr>
<td>130</td>
<td>DEFENSE HUMAN RESOURCES ACTIVITY</td>
<td>807,754</td>
<td>807,754</td>
</tr>
<tr>
<td>140</td>
<td>DEFENSE INFORMATION SYSTEMS AGENCY</td>
<td>2,009,702</td>
<td>2,009,702</td>
</tr>
<tr>
<td>160</td>
<td>DEFENSE LEGAL SERVICES AGENCY</td>
<td>24,207</td>
<td>24,207</td>
</tr>
<tr>
<td>170</td>
<td>DEFENSE LOGISTICS AGENCY</td>
<td>401,422</td>
<td>414,722</td>
</tr>
<tr>
<td></td>
<td>Procurement Technical Assistance Program (PTAP)</td>
<td></td>
<td>[14,300]</td>
</tr>
<tr>
<td>180</td>
<td>DEFENSE MEDIA ACTIVITY</td>
<td>217,585</td>
<td>215,085</td>
</tr>
<tr>
<td></td>
<td>Program decrease</td>
<td></td>
<td>[-2,500]</td>
</tr>
<tr>
<td>190</td>
<td>DEFENSE PERSONNEL ACCOUNTING AGENCY</td>
<td>131,268</td>
<td>131,268</td>
</tr>
<tr>
<td>200</td>
<td>DEFENSE SECURITY COOPERATION AGENCY</td>
<td>722,496</td>
<td>722,496</td>
</tr>
<tr>
<td>210</td>
<td>DEFENSE SECURITY SERVICE</td>
<td>683,665</td>
<td>683,665</td>
</tr>
<tr>
<td>230</td>
<td>DEFENSE TECHNOLOGY SECURITY ADMINISTRATION</td>
<td>34,712</td>
<td>34,712</td>
</tr>
<tr>
<td>240</td>
<td>DEFENSE THREAT REDUCTION AGENCY</td>
<td>542,604</td>
<td>538,804</td>
</tr>
<tr>
<td></td>
<td>Efficiencies from DTRA/JIDO integration</td>
<td></td>
<td>[-3,800]</td>
</tr>
<tr>
<td>260</td>
<td>DEPARTMENT OF DEFENSE EDUCATION ACTIVITY</td>
<td>2,784,389</td>
<td>2,844,389</td>
</tr>
<tr>
<td></td>
<td>Impact aid for children with severe disabilities</td>
<td></td>
<td>[10,000]</td>
</tr>
<tr>
<td></td>
<td>Impact aid for schools with military dependent students</td>
<td></td>
<td>[10,000]</td>
</tr>
<tr>
<td>270</td>
<td>MISSILE DEFENSE AGENCY</td>
<td>504,058</td>
<td>504,058</td>
</tr>
<tr>
<td>290</td>
<td>OFFICE OF ECONOMIC ADJUSTMENT</td>
<td>57,840</td>
<td>57,840</td>
</tr>
<tr>
<td>300</td>
<td>OFFICE OF THE SECRETARY OF DEFENSE</td>
<td>1,488,344</td>
<td>1,499,344</td>
</tr>
<tr>
<td></td>
<td>CDC Study</td>
<td></td>
<td>[7,000]</td>
</tr>
<tr>
<td></td>
<td>Study on Air Force aircraft capacity and capabilities</td>
<td></td>
<td>[1,000]</td>
</tr>
<tr>
<td></td>
<td>Support for Commission to Assess the Threat from Electromagnetic Pulse Attacks and Events</td>
<td></td>
<td>[3,000]</td>
</tr>
<tr>
<td>310</td>
<td>SPECIAL OPERATIONS COMMAND/ADMIN &amp; SRVWIDE ACTIVITIES</td>
<td>94,273</td>
<td>94,273</td>
</tr>
<tr>
<td>320</td>
<td>WASHINGTON HEADQUARTERS SERVICES</td>
<td>436,776</td>
<td>436,776</td>
</tr>
<tr>
<td>325</td>
<td>CLASSIFIED PROGRAMS</td>
<td>14,830,139</td>
<td>14,830,139</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES</td>
<td>28,000,080</td>
<td>28,095,580</td>
</tr>
<tr>
<td>330</td>
<td>UNDISTRIBUTED</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNDISTRIBUTED</td>
<td>-193,900</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td></td>
<td>[-5,800]</td>
</tr>
<tr>
<td></td>
<td>Foreign Currency adjustments</td>
<td></td>
<td>[-19,400]</td>
</tr>
<tr>
<td></td>
<td>Historical unobligated balances</td>
<td></td>
<td>[-164,700]</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td></td>
<td>-193,900</td>
</tr>
</tbody>
</table>

**TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE**

<table>
<thead>
<tr>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>34,609,552</td>
<td>34,522,452</td>
</tr>
</tbody>
</table>
### Sec. 4301. Operation and Maintenance

**(In Thousands of Dollars)**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE</td>
<td>14,538</td>
<td>14,538</td>
</tr>
<tr>
<td>030</td>
<td>OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID</td>
<td>324,600</td>
<td>324,600</td>
</tr>
<tr>
<td>050</td>
<td>ENVIRONMENTAL RESTORATION, ARMY</td>
<td>215,809</td>
<td>215,809</td>
</tr>
<tr>
<td>060</td>
<td>ENVIRONMENTAL RESTORATION, NAVY</td>
<td>281,415</td>
<td>323,649</td>
</tr>
<tr>
<td>070</td>
<td>ENVIRONMENTAL RESTORATION, AIR FORCE</td>
<td>293,749</td>
<td>324,749</td>
</tr>
<tr>
<td>080</td>
<td>ENVIRONMENTAL RESTORATION, DEFENSE</td>
<td>9,002</td>
<td>9,002</td>
</tr>
<tr>
<td>090</td>
<td>ENVIRONMENTAL RESTORATION, FORMERLY USED SITES</td>
<td>208,673</td>
<td>208,673</td>
</tr>
</tbody>
</table>

**SUBTOTAL MISCELLANEOUS APPROPRIATIONS** 1,452,686 1,524,920

**TOTAL OPERATION & MAINTENANCE** 189,286,283 192,289,958

### Sec. 4302. Operation and Maintenance for Overseas Contingency Operations

**(In Thousands of Dollars)**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MANEUVER UNITS</td>
<td>828,225</td>
<td>828,225</td>
</tr>
<tr>
<td>030</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>25,474</td>
<td>25,474</td>
</tr>
<tr>
<td>040</td>
<td>THEATER LEVEL ASSETS</td>
<td>1,778,644</td>
<td>1,778,644</td>
</tr>
<tr>
<td>050</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>269,575</td>
<td>269,575</td>
</tr>
<tr>
<td>060</td>
<td>AVIATION ASSETS</td>
<td>284,422</td>
<td>284,422</td>
</tr>
<tr>
<td>070</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>2,784,525</td>
<td>2,784,525</td>
</tr>
<tr>
<td>080</td>
<td>LAND FORCES SYSTEMS READINESS</td>
<td>502,330</td>
<td>502,330</td>
</tr>
<tr>
<td>090</td>
<td>LAND FORCES DEPOT MAINTENANCE</td>
<td>104,149</td>
<td>104,149</td>
</tr>
<tr>
<td>100</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>80,249</td>
<td>80,249</td>
</tr>
<tr>
<td>110</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>32,000</td>
<td>32,000</td>
</tr>
<tr>
<td>140</td>
<td>ADDITIONAL ACTIVITIES</td>
<td>6,988,168</td>
<td>6,988,168</td>
</tr>
<tr>
<td>150</td>
<td>COMMANDERS EMERGENCY RESPONSE PROGRAM</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>160</td>
<td>RESET</td>
<td>864,926</td>
<td>614,926</td>
</tr>
<tr>
<td>180</td>
<td>US AFRICA COMMAND</td>
<td>186,567</td>
<td>186,567</td>
</tr>
<tr>
<td>190</td>
<td>US EUROPEAN COMMAND</td>
<td>44,250</td>
<td>44,250</td>
</tr>
</tbody>
</table>

**SUBTOTAL OPERATING FORCES** 14,769,504 14,519,504

**MOBILIZATION**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>230</td>
<td>ARMY PREPOSITIONED STOCKS</td>
<td>56,500</td>
<td>56,500</td>
</tr>
</tbody>
</table>

**SUBTOTAL MOBILIZATION** 56,500 56,500

**ADMIN & SRVWIDE ACTIVITIES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>789,355</td>
<td>789,355</td>
</tr>
<tr>
<td>400</td>
<td>CENTRAL SUPPLY ACTIVITIES</td>
<td>16,567</td>
<td>16,567</td>
</tr>
<tr>
<td>410</td>
<td>LOGISTIC SUPPORT ACTIVITIES</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td>420</td>
<td>AMMUNITION MANAGEMENT</td>
<td>5,207</td>
<td>5,207</td>
</tr>
<tr>
<td>440</td>
<td>OTHER PERSONNEL SUPPORT</td>
<td>167,891</td>
<td>167,891</td>
</tr>
<tr>
<td>490</td>
<td>REAL ESTATE MANAGEMENT</td>
<td>163,280</td>
<td>163,280</td>
</tr>
<tr>
<td>565</td>
<td>CLASSIFIED PROGRAMS</td>
<td>1,083,390</td>
<td>1,083,390</td>
</tr>
</tbody>
</table>

**SUBTOTAL ADMIN & SRVWIDE ACTIVITIES** 2,172,890 2,172,890

**TOTAL OPERATION & MAINTENANCE, ARMY** 16,998,894 16,748,894

### Sec. 4304. Operation and Maintenance, Army Reserve Operating Forces

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>020</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>4,179</td>
<td>4,179</td>
</tr>
<tr>
<td>040</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>2,132</td>
<td>2,132</td>
</tr>
</tbody>
</table>

**TOTAL OPERATION & MAINTENANCE, ARMY RESERVE OPERATING FORCES**
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>060</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>779</td>
<td>779</td>
</tr>
<tr>
<td>090</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>17,609</td>
<td>17,609</td>
</tr>
</tbody>
</table>

**SUBTOTAL OPERATING FORCES**

24,699 24,699

**TOTAL OPERATION & MAINTENANCE, ARMY RES**

24,699 24,699

**OPERATION & MAINTENANCE, ARNG**

**OPERATING FORCES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MANEUVER UNITS</td>
<td>41,731</td>
<td>41,731</td>
</tr>
<tr>
<td>020</td>
<td>MODULAR SUPPORT BRIGADES</td>
<td>762</td>
<td>762</td>
</tr>
<tr>
<td>030</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>11,855</td>
<td>11,855</td>
</tr>
<tr>
<td>040</td>
<td>THEATER LEVEL ASSETS</td>
<td>204</td>
<td>204</td>
</tr>
<tr>
<td>060</td>
<td>AVIATION ASSETS</td>
<td>27,583</td>
<td>27,583</td>
</tr>
<tr>
<td>070</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>5,792</td>
<td>5,792</td>
</tr>
<tr>
<td>100</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>18,507</td>
<td>18,507</td>
</tr>
<tr>
<td>120</td>
<td>MANAGEMENT AND OPERATIONAL HEADQUARTERS</td>
<td>937</td>
<td>937</td>
</tr>
</tbody>
</table>

**SUBTOTAL OPERATING FORCES**

107,371 107,371

**ADMIN & SRVWD ACTIVITIES**

| 150   | SERVICEWIDE COMMUNICATIONS    | 740             | 740                  |

**SUBTOTAL ADMIN & SRVWD ACTIVITIES**

740 740

**TOTAL OPERATION & MAINTENANCE, ARNG**

108,111 108,111

**AFGHANISTAN SECURITY FORCES FUND**

**MINISTRY OF DEFENSE**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>SUSTAINMENT</td>
<td>2,660,855</td>
<td>2,660,855</td>
</tr>
<tr>
<td>020</td>
<td>INFRASTRUCTURE</td>
<td>21,000</td>
<td>21,000</td>
</tr>
<tr>
<td>030</td>
<td>EQUIPMENT AND TRANSPORTATION</td>
<td>684,786</td>
<td>684,786</td>
</tr>
<tr>
<td>040</td>
<td>TRAINING AND OPERATIONS</td>
<td>405,117</td>
<td>405,117</td>
</tr>
</tbody>
</table>

**SUBTOTAL MINISTRY OF DEFENSE**

3,771,758 3,771,758

**MINISTRY OF INTERIOR**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>050</td>
<td>SUSTAINMENT</td>
<td>955,574</td>
<td>955,574</td>
</tr>
<tr>
<td>060</td>
<td>INFRASTRUCTURE</td>
<td>39,556</td>
<td>39,556</td>
</tr>
<tr>
<td>070</td>
<td>EQUIPMENT AND TRANSPORTATION</td>
<td>75,976</td>
<td>75,976</td>
</tr>
<tr>
<td>080</td>
<td>TRAINING AND OPERATIONS</td>
<td>94,612</td>
<td>94,612</td>
</tr>
</tbody>
</table>

**SUBTOTAL MINISTRY OF INTERIOR**

1,165,757 1,165,757

**TOTAL AFGHANISTAN SECURITY FORCES FUND**

4,937,515 4,937,515

**COUNTER-ISIS TRAIN & EQUIP FUND**

**COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>IRAQ</td>
<td>1,269,000</td>
<td>1,269,000</td>
</tr>
<tr>
<td>020</td>
<td>SYRIA</td>
<td>500,000</td>
<td>500,000</td>
</tr>
</tbody>
</table>

**SUBTOTAL COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)**

1,769,000 1,769,000

**TOTAL COUNTER-ISIS TRAIN & EQUIP FUND**

1,769,000 1,769,000

**OPERATION & MAINTENANCE, NAVY**

**OPERATING FORCES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MISSION AND OTHER FLIGHT OPERATIONS</td>
<td>412,710</td>
<td>412,710</td>
</tr>
<tr>
<td>020</td>
<td>FLEET AIR TRAINING</td>
<td>5,674</td>
<td>5,674</td>
</tr>
<tr>
<td>030</td>
<td>AVIATION TECHNICAL DATA &amp; ENGINEERING SERVICES</td>
<td>1,750</td>
<td>1,750</td>
</tr>
<tr>
<td>040</td>
<td>AIR OPERATIONS AND SAFETY SUPPORT</td>
<td>2,989</td>
<td>2,989</td>
</tr>
<tr>
<td>050</td>
<td>AIR SYSTEMS SUPPORT</td>
<td>144,030</td>
<td>144,030</td>
</tr>
<tr>
<td>060</td>
<td>AIRCRAFT DEPOT MAINTENANCE</td>
<td>211,196</td>
<td>211,196</td>
</tr>
<tr>
<td>070</td>
<td>AIRCRAFT DEPOT OPERATIONS SUPPORT</td>
<td>1,921</td>
<td>1,921</td>
</tr>
<tr>
<td>080</td>
<td>AVIATION LOGISTICS</td>
<td>102,834</td>
<td>102,834</td>
</tr>
<tr>
<td>090</td>
<td>MISSION AND OTHER SHIP OPERATIONS</td>
<td>871,453</td>
<td>871,453</td>
</tr>
<tr>
<td>100</td>
<td>SHIP OPERATIONS SUPPORT &amp; TRAINING</td>
<td>19,627</td>
<td>19,627</td>
</tr>
<tr>
<td>110</td>
<td>SHIP DEPOT MAINTENANCE</td>
<td>2,483,179</td>
<td>2,483,179</td>
</tr>
<tr>
<td>130</td>
<td>COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE</td>
<td>58,886</td>
<td>58,886</td>
</tr>
<tr>
<td>150</td>
<td>SPACE SYSTEMS AND SURVEILLANCE</td>
<td>4,404</td>
<td>4,404</td>
</tr>
<tr>
<td>160</td>
<td>WARFARE TACTICS</td>
<td>21,104</td>
<td>21,104</td>
</tr>
<tr>
<td>170</td>
<td>OPERATIONAL METEOROLOGY AND OCEANOGRAPHY</td>
<td>21,550</td>
<td>21,550</td>
</tr>
<tr>
<td>180</td>
<td>COMBAT SUPPORT FORCES</td>
<td>611,936</td>
<td>611,936</td>
</tr>
<tr>
<td>190</td>
<td>EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT</td>
<td>11,433</td>
<td>11,433</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>280</td>
<td>WEAPONS MAINTENANCE</td>
<td>371,611</td>
<td>371,611</td>
</tr>
<tr>
<td>290</td>
<td>OTHER WEAPON SYSTEMS SUPPORT</td>
<td>9,598</td>
<td>9,598</td>
</tr>
<tr>
<td>310</td>
<td>SUSTAINMENT, RESTORATION AND MODERNIZATION</td>
<td>31,898</td>
<td>31,898</td>
</tr>
<tr>
<td>320</td>
<td>BASE OPERATING SUPPORT</td>
<td>230,246</td>
<td>230,246</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>5,630,025</strong></td>
<td><strong>5,630,025</strong></td>
</tr>
<tr>
<td>360</td>
<td>SHIP ACTIVATIONS/INACTIVATIONS</td>
<td>1,869</td>
<td>1,869</td>
</tr>
<tr>
<td>370</td>
<td>EXPEDITIONARY HEALTH SERVICES SYSTEMS</td>
<td>11,905</td>
<td>11,905</td>
</tr>
<tr>
<td>390</td>
<td>COAST GUARD SUPPORT</td>
<td>161,885</td>
<td>161,885</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL MOBILIZATION</strong></td>
<td><strong>175,659</strong></td>
<td><strong>175,659</strong></td>
</tr>
<tr>
<td>430</td>
<td>SPECIALIZED SKILL TRAINING</td>
<td>43,369</td>
<td>43,369</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL TRAINING AND RECRUITING</strong></td>
<td><strong>43,369</strong></td>
<td><strong>43,369</strong></td>
</tr>
<tr>
<td>510</td>
<td>ADMINISTRATION</td>
<td>3,217</td>
<td>3,217</td>
</tr>
<tr>
<td>540</td>
<td>MILITARY MANPOWER AND PERSONNEL MANAGEMENT</td>
<td>7,356</td>
<td>7,356</td>
</tr>
<tr>
<td>590</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>67,938</td>
<td>67,938</td>
</tr>
<tr>
<td>620</td>
<td>ACQUISITION, LOGISTICS, AND OVERSIGHT</td>
<td>9,446</td>
<td>9,446</td>
</tr>
<tr>
<td>660</td>
<td>INVESTIGATIVE AND SECURITY SERVICES</td>
<td>1,528</td>
<td>1,528</td>
</tr>
<tr>
<td>775</td>
<td>CLASSIFIED PROGRAMS</td>
<td>12,754</td>
<td>12,754</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td><strong>102,236</strong></td>
<td><strong>102,236</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, NAVY</strong></td>
<td><strong>5,951,289</strong></td>
<td><strong>5,951,289</strong></td>
</tr>
</tbody>
</table>

**Operation & Maintenance, Marine Corps**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>OPERATIONAL FORCES</td>
<td>720,013</td>
<td>720,013</td>
</tr>
<tr>
<td>020</td>
<td>FIELD LOGISTICS</td>
<td>256,536</td>
<td>256,536</td>
</tr>
<tr>
<td>030</td>
<td>DEPOT MAINTENANCE</td>
<td>52,000</td>
<td>52,000</td>
</tr>
<tr>
<td>070</td>
<td>BASE OPERATING SUPPORT</td>
<td>17,529</td>
<td>17,529</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>1,046,078</strong></td>
<td><strong>1,046,078</strong></td>
</tr>
<tr>
<td>120</td>
<td>TRAINING SUPPORT</td>
<td>29,421</td>
<td>29,421</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL TRAINING AND RECRUITING</strong></td>
<td><strong>29,421</strong></td>
<td><strong>29,421</strong></td>
</tr>
<tr>
<td>160</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>62,225</td>
<td>62,225</td>
</tr>
<tr>
<td>215</td>
<td>CLASSIFIED PROGRAMS</td>
<td>3,650</td>
<td>3,650</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td><strong>65,875</strong></td>
<td><strong>65,875</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS</strong></td>
<td><strong>1,141,374</strong></td>
<td><strong>1,141,374</strong></td>
</tr>
</tbody>
</table>

**Operation & Maintenance, Navy RES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>030</td>
<td>AIRCRAFT DEPOT MAINTENANCE</td>
<td>14,964</td>
<td>14,964</td>
</tr>
<tr>
<td>080</td>
<td>COMBAT SUPPORT FORCES</td>
<td>9,016</td>
<td>9,016</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>23,980</strong></td>
<td><strong>23,980</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES</strong></td>
<td><strong>23,980</strong></td>
<td><strong>23,980</strong></td>
</tr>
</tbody>
</table>

**Operation & Maintenance, MC Reserve**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>OPERATING FORCES</td>
<td>2,548</td>
<td>2,548</td>
</tr>
<tr>
<td>040</td>
<td>BASE OPERATING SUPPORT</td>
<td>819</td>
<td>819</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>3,367</strong></td>
<td><strong>3,367</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, MC RESERVE</strong></td>
<td><strong>3,367</strong></td>
<td><strong>3,367</strong></td>
</tr>
</tbody>
</table>

**Operation & Maintenance, Air Force**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>PRIMARY COMBAT FORCES</td>
<td>248,235</td>
<td>248,235</td>
</tr>
<tr>
<td>020</td>
<td>COMBAT ENHANCEMENT FORCES</td>
<td>1,394,962</td>
<td>1,394,962</td>
</tr>
<tr>
<td>030</td>
<td>AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)</td>
<td>5,450</td>
<td>5,450</td>
</tr>
<tr>
<td>040</td>
<td>DEPOT PURCHASE EQUIPMENT MAINTENANCE</td>
<td>699,860</td>
<td>699,860</td>
</tr>
</tbody>
</table>
## SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>050</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>113,131</td>
<td>113,131</td>
</tr>
<tr>
<td>060</td>
<td>CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</td>
<td>2,039,551</td>
<td>2,039,551</td>
</tr>
<tr>
<td>070</td>
<td>FLYING HOUR PROGRAM</td>
<td>2,059,363</td>
<td>2,059,363</td>
</tr>
<tr>
<td>080</td>
<td>BASE SUPPORT</td>
<td>1,088,946</td>
<td>1,088,946</td>
</tr>
<tr>
<td>090</td>
<td>GLOBAL C3I AND EARLY WARNING</td>
<td>15,274</td>
<td>15,274</td>
</tr>
<tr>
<td>100</td>
<td>OTHER COMBAT OPS SPT PROGRAMS</td>
<td>198,090</td>
<td>198,090</td>
</tr>
<tr>
<td>120</td>
<td>LAUNCH FACILITIES</td>
<td>385</td>
<td>385</td>
</tr>
<tr>
<td>130</td>
<td>SPACE CONTROL SYSTEMS</td>
<td>22,020</td>
<td>22,020</td>
</tr>
<tr>
<td>160</td>
<td>US NORTHCOM/NORAD</td>
<td>381</td>
<td>381</td>
</tr>
<tr>
<td>170</td>
<td>US STRATCOM</td>
<td>698</td>
<td>698</td>
</tr>
<tr>
<td>180</td>
<td>US CYBERCOM</td>
<td>35,239</td>
<td>35,239</td>
</tr>
<tr>
<td>190</td>
<td>US CENTCOM</td>
<td>159,520</td>
<td>159,520</td>
</tr>
<tr>
<td>200</td>
<td>US SOCOM</td>
<td>19,000</td>
<td>19,000</td>
</tr>
<tr>
<td>215</td>
<td>CLASSIFIED PROGRAMS</td>
<td>58,098</td>
<td>58,098</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>8,158,203</strong></td>
<td><strong>8,158,203</strong></td>
</tr>
</tbody>
</table>

### MOBILIZATION

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>ABLIFT OPERATIONS</td>
<td>1,430,316</td>
<td>1,430,316</td>
</tr>
<tr>
<td>230</td>
<td>MOBILIZATION PREPAREDNESS</td>
<td>213,827</td>
<td>213,827</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL MOBILIZATION</strong></td>
<td><strong>1,644,143</strong></td>
<td><strong>1,644,143</strong></td>
</tr>
</tbody>
</table>

### TRAINING AND RECRUITING

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>270</td>
<td>OFFICER ACQUISITION</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>280</td>
<td>RECRUIT TRAINING</td>
<td>298</td>
<td>298</td>
</tr>
<tr>
<td>290</td>
<td>RESERVE OFFICERS TRAINING CORPS (ROTC)</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td>320</td>
<td>SPECIALIZED SKILL TRAINING</td>
<td>25,675</td>
<td>25,675</td>
</tr>
<tr>
<td>330</td>
<td>FLIGHT TRAINING</td>
<td>879</td>
<td>879</td>
</tr>
<tr>
<td>340</td>
<td>PROFESSIONAL DEVELOPMENT EDUCATION</td>
<td>25,675</td>
<td>25,675</td>
</tr>
<tr>
<td>350</td>
<td>TRAINING SUPPORT</td>
<td>1,430</td>
<td>1,426</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL TRAINING AND RECRUITING</strong></td>
<td><strong>29,782</strong></td>
<td><strong>29,782</strong></td>
</tr>
</tbody>
</table>

### ADMIN & SRVWD ACTIVITIES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>420</td>
<td>LOGISTICS OPERATIONS</td>
<td>151,847</td>
<td>151,847</td>
</tr>
<tr>
<td>430</td>
<td>TECHNICAL SUPPORT ACTIVITIES</td>
<td>8,744</td>
<td>8,744</td>
</tr>
<tr>
<td>470</td>
<td>ADMINISTRATION</td>
<td>6,583</td>
<td>6,583</td>
</tr>
<tr>
<td>480</td>
<td>SERVICEWIDE COMMUNICATIONS</td>
<td>129,508</td>
<td>129,508</td>
</tr>
<tr>
<td>490</td>
<td>OTHER SERVICEWIDE ACTIVITIES</td>
<td>84,110</td>
<td>84,110</td>
</tr>
<tr>
<td>530</td>
<td>INTERNATIONAL SUPPORT</td>
<td>120</td>
<td>120</td>
</tr>
<tr>
<td>535</td>
<td>CLASSIFIED PROGRAMS</td>
<td>54,255</td>
<td>54,255</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td><strong>434,167</strong></td>
<td><strong>434,167</strong></td>
</tr>
</tbody>
</table>

### TOTAL OPERATION & MAINTENANCE, AIR FORCE

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE</strong></td>
<td><strong>10,266,295</strong></td>
<td><strong>10,266,295</strong></td>
</tr>
</tbody>
</table>

### OPERATION & MAINTENANCE, AF RESERVE OPERATING FORCES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>030</td>
<td>DEPOT PURCHASE EQUIPMENT MAINTENANCE</td>
<td>52,323</td>
<td>52,323</td>
</tr>
<tr>
<td>060</td>
<td>BASE SUPPORT</td>
<td>6,200</td>
<td>6,200</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>58,523</strong></td>
<td><strong>58,523</strong></td>
</tr>
</tbody>
</table>

### TOTAL OPERATION & MAINTENANCE, AF RESERVE

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE</strong></td>
<td><strong>58,523</strong></td>
<td><strong>58,523</strong></td>
</tr>
</tbody>
</table>

### OPERATION & MAINTENANCE, ANG OPERATING FORCES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>020</td>
<td>MISSION SUPPORT OPERATIONS</td>
<td>3,468</td>
<td>3,468</td>
</tr>
<tr>
<td>060</td>
<td>BASE SUPPORT</td>
<td>11,930</td>
<td>11,930</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>15,400</strong></td>
<td><strong>15,400</strong></td>
</tr>
</tbody>
</table>

### TOTAL OPERATION & MAINTENANCE, ANG

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, ANG</strong></td>
<td><strong>15,400</strong></td>
<td><strong>15,400</strong></td>
</tr>
</tbody>
</table>

### OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>JOINT CHIEFS OF STAFF</td>
<td>4,841</td>
<td>4,841</td>
</tr>
<tr>
<td>040</td>
<td>SPECIAL OPERATIONS COMMAND OPERATING FORCES</td>
<td>3,310,253</td>
<td>3,310,253</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>3,310,075</strong></td>
<td><strong>3,310,075</strong></td>
</tr>
</tbody>
</table>

### ADMIN & SRVWD ACTIVITIES

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>DEFENSE CONTRACT AUDIT AGENCY</td>
<td>9,853</td>
<td>9,853</td>
</tr>
</tbody>
</table>
### SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>DEFENSE CONTRACT MANAGEMENT AGENCY</td>
<td>21,317</td>
<td>21,317</td>
</tr>
<tr>
<td>140</td>
<td>DEFENSE INFORMATION SYSTEMS AGENCY</td>
<td>64,137</td>
<td>64,137</td>
</tr>
<tr>
<td>160</td>
<td>DEFENSE LEGAL SERVICES AGENCY</td>
<td>115,000</td>
<td>115,000</td>
</tr>
<tr>
<td>180</td>
<td>DEFENSE MEDIA ACTIVITY</td>
<td>13,255</td>
<td>13,255</td>
</tr>
<tr>
<td>200</td>
<td>DEFENSE SECURITY COOPERATION AGENCY</td>
<td>2,312,000</td>
<td>2,062,000</td>
</tr>
<tr>
<td></td>
<td>Reduction to Coalition Support Funds</td>
<td>[-100,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Transfer of funds to Ukraine Security Assistance</td>
<td>[-150,000]</td>
<td></td>
</tr>
<tr>
<td>260</td>
<td>DEPARTMENT OF DEFENSE EDUCATION ACTIVITY</td>
<td>31,000</td>
<td>31,000</td>
</tr>
<tr>
<td>300</td>
<td>OFFICE OF THE SECRETARY OF DEFENSE</td>
<td>34,715</td>
<td>34,715</td>
</tr>
<tr>
<td>320</td>
<td>WASHINGTON HEADQUARTERS SERVICES</td>
<td>3,179</td>
<td>3,179</td>
</tr>
<tr>
<td>325</td>
<td>CLASSIFIED PROGRAMS</td>
<td>1,878,713</td>
<td>1,878,713</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES</td>
<td>4,483,169</td>
<td>4,233,169</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>7,793,244</td>
<td>7,543,244</td>
</tr>
</tbody>
</table>

### SUBTOTAL UKRAINE SECURITY ASSISTANCE

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>UKRAINE SECURITY ASSISTANCE</td>
<td>350,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Program increase</td>
<td>[200,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Transfer from DSCA</td>
<td>[150,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL UKRAINE SECURITY ASSISTANCE</td>
<td>350,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL UKRAINE SECURITY ASSISTANCE</td>
<td>350,000</td>
<td></td>
</tr>
</tbody>
</table>

### TOTAL OPERATION & MAINTENANCE

<table>
<thead>
<tr>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>49,091,691</td>
<td>48,941,691</td>
</tr>
</tbody>
</table>

---

**TITLE XLIV—MILITARY PERSONNEL**

Sec. 4401. Military personnel.

Sec. 4402. Military personnel for overseas contingency operations.

### SEC. 4401. MILITARY PERSONNEL

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military Personnel Appropriations</td>
<td>133,881,636</td>
<td>134,008,986</td>
</tr>
<tr>
<td>Defense Innovation Board software review</td>
<td>(1,000)</td>
<td></td>
</tr>
<tr>
<td>Department of Defense State Partnership Program</td>
<td>(2,000)</td>
<td></td>
</tr>
<tr>
<td>Historical unobligated balances</td>
<td>(814,050)</td>
<td></td>
</tr>
<tr>
<td>Increase Active Army end strength</td>
<td>(625,000)</td>
<td></td>
</tr>
<tr>
<td>Increase Active Marine Corps end strength</td>
<td>(80,000)</td>
<td></td>
</tr>
<tr>
<td>Increase Army National Guard end strength</td>
<td>(13,000)</td>
<td></td>
</tr>
<tr>
<td>Increase Army Reserve end strength</td>
<td>(15,000)</td>
<td></td>
</tr>
<tr>
<td>Military Personnel Pay Raise</td>
<td>(286,400)</td>
<td></td>
</tr>
<tr>
<td>Public-Private partnership on military spousal employment</td>
<td>(1,000)</td>
<td></td>
</tr>
<tr>
<td>Medicare-Eligible Retiree Health Fund Contributions</td>
<td>7,804,427</td>
<td>7,837,427</td>
</tr>
<tr>
<td>Accrual payment associated with increased end strength</td>
<td>(33,000)</td>
<td></td>
</tr>
<tr>
<td>Total, Military Personnel</td>
<td>141,686,063</td>
<td>141,846,413</td>
</tr>
</tbody>
</table>
SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military Personnel Appropriations</td>
<td>4,326,172</td>
<td>4,326,172</td>
</tr>
<tr>
<td>Total, Military Personnel Appropriations</td>
<td>4,326,172</td>
<td>4,326,172</td>
</tr>
</tbody>
</table>

TITLE XLV—OTHER AUTHORIZATIONS

Sec. 4501. Other authorizations.
Sec. 4502. Other authorizations for overseas contingency operations.

SEC. 4501. OTHER AUTHORIZATIONS.

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>WORKING CAPITAL FUND, ARMY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INDUSTRIAL OPERATIONS</td>
<td>43,140</td>
<td>43,140</td>
</tr>
<tr>
<td>SUPPLY MANAGEMENT—ARMY</td>
<td>40,636</td>
<td>40,636</td>
</tr>
<tr>
<td>TOTAL WORKING CAPITAL FUND, ARMY</td>
<td>83,776</td>
<td>83,776</td>
</tr>
<tr>
<td>WORKING CAPITAL FUND, AIR FORCE TRANSPORTATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUPPLY MANAGEMENT</td>
<td>66,462</td>
<td>66,462</td>
</tr>
<tr>
<td>TOTAL WORKING CAPITAL FUND, AIR FORCE</td>
<td>66,462</td>
<td>66,462</td>
</tr>
<tr>
<td>WORKING CAPITAL FUND, DECA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMMISSARY OPERATIONS</td>
<td>1,389,340</td>
<td>1,389,340</td>
</tr>
<tr>
<td>TOTAL WORKING CAPITAL FUND, DECA</td>
<td>1,389,340</td>
<td>1,389,340</td>
</tr>
<tr>
<td>WORKING CAPITAL FUND, DEFENSE-WIDE ENERGY MANAGEMENT—DEFENSE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUPPLY CHAIN MANAGEMENT—DEFENSE</td>
<td>47,018</td>
<td>47,018</td>
</tr>
<tr>
<td>TOTAL WORKING CAPITAL FUND, DEFENSE-WIDE</td>
<td>47,018</td>
<td>47,018</td>
</tr>
<tr>
<td>NATIONAL DEFENSE SEALIFT FUND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NATIONAL DEF SEALIFT VESSEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LG MED SPD RO/RO MAINTENANCE</td>
<td>135,800</td>
<td>135,800</td>
</tr>
<tr>
<td>DOD MOBILIZATION ALTERATIONS</td>
<td>11,197</td>
<td>11,197</td>
</tr>
<tr>
<td>TAH MAINTENANCE</td>
<td>54,453</td>
<td>54,453</td>
</tr>
<tr>
<td>RESEARCH AND DEVELOPMENT</td>
<td>18,622</td>
<td>18,622</td>
</tr>
<tr>
<td>READY RESERVE FORCES</td>
<td>289,255</td>
<td>289,255</td>
</tr>
<tr>
<td>TOTAL NATIONAL DEFENSE SEALIFT FUND</td>
<td>509,327</td>
<td>516,327</td>
</tr>
<tr>
<td>CHEM AGENTS &amp; MUNITIONS DESTRUCTION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM DEMILITARIZATION—O&amp;M</td>
<td>104,237</td>
<td>104,237</td>
</tr>
<tr>
<td>CHEM DEMILITARIZATION—RDT&amp;A</td>
<td>839,414</td>
<td>839,414</td>
</tr>
<tr>
<td>CHEM DEMILITARIZATION—PROC</td>
<td>18,081</td>
<td>18,081</td>
</tr>
<tr>
<td>TOTAL CHEM AGENTS &amp; MUNITIONS DESTRUCTION</td>
<td>961,732</td>
<td>961,732</td>
</tr>
<tr>
<td>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRUG INTERDICTION &amp; COUNTER-DRUG ACTIVITIES, DEF</td>
<td>674,001</td>
<td>705,001</td>
</tr>
<tr>
<td>National biowar counter-drug programs</td>
<td></td>
<td>[10,000]</td>
</tr>
<tr>
<td>SOUTHCOM ISR</td>
<td>116,813</td>
<td>116,813</td>
</tr>
<tr>
<td>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</td>
<td>790,814</td>
<td>821,814</td>
</tr>
</tbody>
</table>
### SEC. 4501. OTHER AUTHORIZATIONS

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFFICE OF THE INSPECTOR GENERAL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE</td>
<td>334,087</td>
<td>334,087</td>
</tr>
<tr>
<td>RDT&amp;E</td>
<td>2,800</td>
<td>2,800</td>
</tr>
<tr>
<td>TOTAL OFFICE OF THE INSPECTOR GENERAL</td>
<td>336,887</td>
<td>336,887</td>
</tr>
<tr>
<td>DEFENSE HEALTH PROGRAM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IN-HOUSE CARE</td>
<td>9,457,768</td>
<td>9,465,768</td>
</tr>
<tr>
<td>Pre-mobilization health care under section 12304b</td>
<td>[8,000]</td>
<td></td>
</tr>
<tr>
<td>PRIVATE SECTOR CARE</td>
<td>15,317,732</td>
<td>15,317,732</td>
</tr>
<tr>
<td>CONSOLIDATED HEALTH SUPPORT</td>
<td>2,183,735</td>
<td>2,183,735</td>
</tr>
<tr>
<td>INFORMATION MANAGEMENT</td>
<td>330,752</td>
<td>330,752</td>
</tr>
<tr>
<td>EDUCATION AND TRAINING</td>
<td>737,730</td>
<td>737,730</td>
</tr>
<tr>
<td>BASE OPERATIONS/COMMUNICATIONS</td>
<td>2,255,163</td>
<td>2,255,163</td>
</tr>
<tr>
<td>RESEARCH</td>
<td>9,796</td>
<td>9,796</td>
</tr>
<tr>
<td>EXPLORATORY DEVELOPMENT</td>
<td>64,881</td>
<td>64,881</td>
</tr>
<tr>
<td>ADVANCED DEVELOPMENT</td>
<td>246,268</td>
<td>246,268</td>
</tr>
<tr>
<td>DEMONSTRATION/VALIDATION</td>
<td>99,039</td>
<td>99,039</td>
</tr>
<tr>
<td>ENGINEERING DEVELOPMENT</td>
<td>170,602</td>
<td>170,602</td>
</tr>
<tr>
<td>MANAGEMENT AND SUPPORT</td>
<td>68,191</td>
<td>68,191</td>
</tr>
<tr>
<td>CAPABILITIES ENHANCEMENT</td>
<td>13,438</td>
<td>13,438</td>
</tr>
<tr>
<td>INITIAL OUTFITTING</td>
<td>26,978</td>
<td>26,978</td>
</tr>
<tr>
<td>REPLACEMENT &amp; MODERNIZATION</td>
<td>360,831</td>
<td>360,831</td>
</tr>
<tr>
<td>THEATER MEDICAL INFORMATION PROGRAM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JOINT OPERATIONAL MEDICINE INFORMATION SYSTEM</td>
<td>8,326</td>
<td>8,326</td>
</tr>
<tr>
<td>DOD HEALTHCARE MANAGEMENT SYSTEM MODERNIZATION</td>
<td>499,193</td>
<td>499,193</td>
</tr>
<tr>
<td>UNDISTRIBUTED</td>
<td></td>
<td>-219,600</td>
</tr>
<tr>
<td>Change to Pharmacy Copayments</td>
<td>[-62,000]</td>
<td></td>
</tr>
<tr>
<td>Foreign Currency adjustments</td>
<td>[-15,500]</td>
<td></td>
</tr>
<tr>
<td>Historical unobligated balances</td>
<td>[-142,100]</td>
<td></td>
</tr>
<tr>
<td>TOTAL DEFENSE HEALTH PROGRAM</td>
<td>33,664,466</td>
<td>33,452,866</td>
</tr>
<tr>
<td>TOTAL OTHER AUTHORIZATIONS</td>
<td>37,849,822</td>
<td>37,676,222</td>
</tr>
</tbody>
</table>

### SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CON-...
### TOTAL OTHER AUTHORIZATIONS

<table>
<thead>
<tr>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>765,753</td>
<td>765,753</td>
</tr>
</tbody>
</table>

### TITLE XLVI—MILITARY

#### CONSTRUCTION

Sec. 4601. Military construction.

Sec. 4602. Military construction for overseas contingency operations.

### SEC. 4601. MILITARY CONSTRUCTION

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>Army Fort Rucker</td>
<td>Training Support Facility</td>
<td>38,000</td>
<td>38,000</td>
</tr>
<tr>
<td>Arizona</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Army Davis-Monthan AFB</td>
<td>General Instruction Building</td>
<td>22,000</td>
<td>22,000</td>
<td></td>
</tr>
<tr>
<td>Army Fort Huachuca</td>
<td>Ground Transport Equipment Building</td>
<td>30,000</td>
<td>30,000</td>
<td></td>
</tr>
<tr>
<td>California</td>
<td>Land Acquisition</td>
<td>3,000</td>
<td>3,000</td>
<td></td>
</tr>
<tr>
<td>Army Fort Carson</td>
<td>Ammunition Supply Point</td>
<td>21,000</td>
<td>21,000</td>
<td></td>
</tr>
<tr>
<td>Army Fort Carson</td>
<td>Battlefield Weather Facility</td>
<td>8,300</td>
<td>8,300</td>
<td></td>
</tr>
<tr>
<td>Florida</td>
<td>Rangel AFB</td>
<td>Multipurpose Range Complex</td>
<td>18,000</td>
<td>18,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Stuttgart</td>
<td>Commissary</td>
<td>40,000</td>
<td>40,000</td>
</tr>
<tr>
<td>Army Washaden</td>
<td>Administrative Building</td>
<td>43,000</td>
<td>43,000</td>
<td></td>
</tr>
<tr>
<td>Hawaii</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Army Fort Shaffer</td>
<td>Command and Control Facility, Incr 3</td>
<td>90,000</td>
<td>90,000</td>
<td></td>
</tr>
<tr>
<td>Army Pohakuloa Training Area</td>
<td>Operational Readiness Training Complex (Barracks).</td>
<td>0</td>
<td>25,000</td>
<td></td>
</tr>
<tr>
<td>Indiana</td>
<td>Crane Army Ammunition Activity</td>
<td>Shipping and Receiving Building</td>
<td>24,000</td>
<td>24,000</td>
</tr>
<tr>
<td>Army Kunsan AB</td>
<td>Unmanned Aerial Vehicle Hangar</td>
<td>53,000</td>
<td>53,000</td>
<td></td>
</tr>
<tr>
<td>New York</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Army U.S. Military Academy</td>
<td>Cemetery</td>
<td></td>
<td>22,000</td>
<td>22,000</td>
</tr>
<tr>
<td>South Carolina</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Army Fort Jackson</td>
<td>Reception Barracks Complex, PH</td>
<td>60,000</td>
<td>60,000</td>
<td></td>
</tr>
<tr>
<td>Army Shore AFB</td>
<td>Mission Training Complex</td>
<td>25,000</td>
<td>25,000</td>
<td></td>
</tr>
<tr>
<td>Texas</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Army Camp Bullis</td>
<td>Vehicle Maintenance Shop</td>
<td>13,000</td>
<td>13,000</td>
<td></td>
</tr>
<tr>
<td>Army Fort Hood</td>
<td>Battalion Headquarters Complex</td>
<td>37,000</td>
<td>37,000</td>
<td></td>
</tr>
<tr>
<td>Army Fort Hood</td>
<td>Vehicle Maintenance Shop</td>
<td>0</td>
<td>33,000</td>
<td></td>
</tr>
<tr>
<td>Turkey</td>
<td>Turkey Various</td>
<td>Forward Operating Site</td>
<td>6,400</td>
<td>0</td>
</tr>
<tr>
<td>Virginia</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Army Fort Belvoir</td>
<td>Secure Admin/Operations Facility, Incr 3</td>
<td>14,124</td>
<td>14,124</td>
<td></td>
</tr>
<tr>
<td>Army Joint Base Langley-</td>
<td>Aircraft Maintenance Instructional Bldg</td>
<td>34,000</td>
<td>34,000</td>
<td></td>
</tr>
<tr>
<td>Kansas</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Army Joint Base Myer-Henderson</td>
<td>Security Fence</td>
<td>20,000</td>
<td>20,000</td>
<td></td>
</tr>
<tr>
<td>Washington</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Army Joint Base Lewis-McChord</td>
<td>Confinement Facility</td>
<td>66,000</td>
<td>66,000</td>
<td></td>
</tr>
<tr>
<td>Army Yakima</td>
<td>Fire Station</td>
<td>10,500</td>
<td>10,500</td>
<td></td>
</tr>
<tr>
<td>Worldwide Unspecified Locations</td>
<td>ERE Planning and Design</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Army Worldwide Unspecified Locations</td>
<td>Host Nation Support</td>
<td>28,700</td>
<td>28,700</td>
<td></td>
</tr>
</tbody>
</table>
## SEC. 4601. MILITARY CONSTRUCTION

### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Navy</td>
<td>Unspecified Worldwide</td>
<td>Planning and Design</td>
<td>72,770</td>
<td>72,770</td>
</tr>
<tr>
<td>Navy</td>
<td>Unspecified Worldwide</td>
<td>Prior Year Savings Unspecified Minor Construction Navy</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Navy</td>
<td>Unspecified Worldwide</td>
<td>Unspecified Minor Construction</td>
<td>31,500</td>
<td>31,500</td>
</tr>
</tbody>
</table>

### Military Construction, Army Total

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Army</td>
<td>Alabama</td>
<td>Enlisted Dining Facility &amp; Community Bldgs</td>
<td>36,358</td>
<td>36,358</td>
</tr>
<tr>
<td>Navy</td>
<td>Barstow</td>
<td>Combat Vehicle Repair Facility</td>
<td>36,359</td>
<td>36,359</td>
</tr>
<tr>
<td>Navy</td>
<td>Camp Pendleton</td>
<td>Ammunition Supply Point Upgrade</td>
<td>63,119</td>
<td>63,119</td>
</tr>
<tr>
<td>Navy</td>
<td>Corry Station</td>
<td>Undersea Rescue Command Operations Building</td>
<td>0</td>
<td>36,000</td>
</tr>
<tr>
<td>Navy</td>
<td>Lemoore</td>
<td>F/A-18 Avionics Repair Facility Replacement</td>
<td>60,828</td>
<td>60,828</td>
</tr>
<tr>
<td>Navy</td>
<td>Miramar</td>
<td>Aircraft Maintenance Hangar (Ber 2)</td>
<td>39,600</td>
<td>39,600</td>
</tr>
<tr>
<td>Navy</td>
<td>Miramar</td>
<td>F-35 Simulator Facility</td>
<td>0</td>
<td>47,600</td>
</tr>
<tr>
<td>Navy</td>
<td>P426 Fire &amp; Replacement</td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Navy</td>
<td>Twenty Nine Palms</td>
<td>Potable Water Treatment/Blending Facility</td>
<td>55,099</td>
<td>55,099</td>
</tr>
<tr>
<td>District of Columbia</td>
<td>SSA Washington</td>
<td>Electronics Science and Technology Laboratory</td>
<td>37,882</td>
<td>37,882</td>
</tr>
<tr>
<td>Navy</td>
<td>SSA Washington</td>
<td>Washington Navy Yard A/F/P</td>
<td>60,000</td>
<td>0</td>
</tr>
<tr>
<td>Navy</td>
<td>Camp Lemonnier</td>
<td>Aircraft Parking Apron Expansion</td>
<td>11,390</td>
<td>0</td>
</tr>
<tr>
<td>Florida</td>
<td>Mayport</td>
<td>Advanced Wastewater Treatment Plant (AWWTP)</td>
<td>74,994</td>
<td>74,994</td>
</tr>
<tr>
<td>Navy</td>
<td>Mayport</td>
<td>Missile Magazines</td>
<td>9,824</td>
<td>9,824</td>
</tr>
<tr>
<td>Navy</td>
<td>Mayport</td>
<td>P426 Littoral Combat Ship (LCS) Support Facility (LSF)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Navy</td>
<td>Mayport</td>
<td>P427 Littoral Combat Ship (LCS) Training Facility (LSF)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Virginia</td>
<td>Albany</td>
<td>Combat Vehicle Warehouse</td>
<td>0</td>
<td>43,300</td>
</tr>
<tr>
<td>Army</td>
<td>Greece</td>
<td>Strategic Aircraft Parking Apron Expansion</td>
<td>22,045</td>
<td>22,045</td>
</tr>
<tr>
<td>Navy</td>
<td>Joint Region Marianas</td>
<td>Aircraft Maintenance Hangar #2</td>
<td>75,233</td>
<td>75,233</td>
</tr>
<tr>
<td>Navy</td>
<td>Joint Region Marianas</td>
<td>Corrosion Control Hangar</td>
<td>66,747</td>
<td>66,747</td>
</tr>
<tr>
<td>Navy</td>
<td>Joint Region Marianas</td>
<td>MALS Facilities</td>
<td>49,431</td>
<td>49,431</td>
</tr>
<tr>
<td>Navy</td>
<td>Joint Region Marianas</td>
<td>Navy/Commercial Tie-in Hardening</td>
<td>37,180</td>
<td>37,180</td>
</tr>
<tr>
<td>Navy</td>
<td>Joint Region Marianas</td>
<td>Water Well Field</td>
<td>56,098</td>
<td>56,098</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Joint Base Pearl Harbor-Hickam</td>
<td>Sewer Lift Station &amp; Relief Sewer Line</td>
<td>73,200</td>
<td>73,200</td>
</tr>
<tr>
<td>Navy</td>
<td>Kaneohe Bay</td>
<td>LHD P6 Conversion MV-22 Landing Pads</td>
<td>19,012</td>
<td>19,012</td>
</tr>
<tr>
<td>Navy</td>
<td>Kaneohe Bay</td>
<td>Mokapu Gate Entrance Control A/F/P Compliance</td>
<td>0</td>
<td>26,492</td>
</tr>
<tr>
<td>Navy</td>
<td>Wahiawa</td>
<td>Communications/Crypto Facility</td>
<td>65,964</td>
<td>65,964</td>
</tr>
<tr>
<td>Japan</td>
<td>Iwakuni</td>
<td>KC130J Enlisted Aircrew Training Facility</td>
<td>21,860</td>
<td>21,860</td>
</tr>
<tr>
<td>Maine</td>
<td>Kittery</td>
<td>Paint, Blast, and Rubber Facility</td>
<td>61,692</td>
<td>61,692</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Camp Lejeune</td>
<td>Bachele Enlisted Quarters</td>
<td>37,983</td>
<td>37,983</td>
</tr>
<tr>
<td>Navy</td>
<td>Camp Lejeune</td>
<td>Water Treatment Plant Replacement Hadnot Pt</td>
<td>65,784</td>
<td>65,784</td>
</tr>
<tr>
<td>Navy</td>
<td>Cherry Point Marine</td>
<td>F-35B Vertical Lift Fan Test Facility</td>
<td>15,671</td>
<td>15,671</td>
</tr>
<tr>
<td>Navy</td>
<td>Corps Air Station</td>
<td>ACU-4 Electrical Upgrades</td>
<td>2,596</td>
<td>2,596</td>
</tr>
<tr>
<td>Navy</td>
<td>Camp Lejeune</td>
<td>Radio RC Complex, Phase 2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Virginia</td>
<td>Dam Neck</td>
<td>JSE Operations Facility Expansion</td>
<td>29,262</td>
<td>29,262</td>
</tr>
<tr>
<td>Navy</td>
<td>Joint Expeditionary Base Little Creek—Story</td>
<td>TBS Fire Station Building 5/3 Replacement</td>
<td>0</td>
<td>23,718</td>
</tr>
<tr>
<td>Navy</td>
<td>Marine Corps Base Quantico</td>
<td>Chambers Field Magazine Recap PH 1</td>
<td>34,865</td>
<td>34,865</td>
</tr>
<tr>
<td>Navy</td>
<td>Norfolk</td>
<td>Ship Repair Training Facility</td>
<td>72,990</td>
<td>72,990</td>
</tr>
<tr>
<td>Navy</td>
<td>Yorktown</td>
<td>Bachele Enlisted Quarters</td>
<td>36,358</td>
<td>36,358</td>
</tr>
<tr>
<td>Navy</td>
<td>Washington</td>
<td>Missile Magazines</td>
<td>44,440</td>
<td>44,440</td>
</tr>
<tr>
<td>Worldwide</td>
<td>Unspecified</td>
<td>Planning and Design</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Navy</td>
<td>Unspecified</td>
<td>Prior Year Savings Unspecified Minor Construction</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Navy</td>
<td>Unspecified</td>
<td>Unspecified Minor Construction</td>
<td>23,842</td>
<td>23,842</td>
</tr>
</tbody>
</table>

---

G:\CMTE\AS\18\ASCR18.XML
November 7, 2017 (7:01 p.m.)
### Military Construction, Navy Total

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF</td>
<td>Alaska</td>
<td>F-35A ADAL, Conventional Munitions Facility</td>
<td>2,500</td>
<td>2,500</td>
</tr>
<tr>
<td>AF</td>
<td>Eielson AFB</td>
<td>F-35A ADAL, AJE Facility / Fillstand</td>
<td>21,000</td>
<td>21,000</td>
</tr>
<tr>
<td>AF</td>
<td>Eielson AFB</td>
<td>F-35A Consolidated Munitions Admin Facility</td>
<td>27,000</td>
<td>27,000</td>
</tr>
<tr>
<td>AF</td>
<td>Eielson AFB</td>
<td>F-35A Exrad Utilization to South Loop</td>
<td>48,000</td>
<td>48,000</td>
</tr>
<tr>
<td>AF</td>
<td>Eielson AFB</td>
<td>F-35A H-11 Fuel Truck Shelter</td>
<td>9,600</td>
<td>9,600</td>
</tr>
<tr>
<td>AF</td>
<td>Eielson AFB</td>
<td>F-35A Satellite Dining Facility</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>AF</td>
<td>Eielson AFB</td>
<td>Repair Control Heat/Power Plant Boiler PH 4</td>
<td>43,000</td>
<td>43,000</td>
</tr>
<tr>
<td>AR</td>
<td>Arkansas</td>
<td>Dormitory—168 PN</td>
<td>0</td>
<td>20,000</td>
</tr>
<tr>
<td>AU</td>
<td>Australia</td>
<td>APR—Bulk Fuel Storage Tanks</td>
<td>76,000</td>
<td>76,000</td>
</tr>
<tr>
<td>CO</td>
<td>Travis Air Force Base</td>
<td>KC-46A ADAL, B34 Fuel Cell Hangar</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CO</td>
<td>Travis Air Force Base</td>
<td>KC-46A Aircraft 3-Bay Maintenance Hangar</td>
<td>0</td>
<td>107,000</td>
</tr>
<tr>
<td>CO</td>
<td>Travis Air Force Base</td>
<td>KC-46A After B358/357 Squad Ops AMU</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CO</td>
<td>Travis Air Force Base</td>
<td>KC-46A After B411 Corrosion Control Hangar</td>
<td>0</td>
<td>7,700</td>
</tr>
<tr>
<td>CO</td>
<td>Buckley Air Force Base</td>
<td>SBIRS Operations Facility</td>
<td>38,000</td>
<td>38,000</td>
</tr>
<tr>
<td>AF</td>
<td>Fort Carson</td>
<td>13 AWR Expansion</td>
<td>13,000</td>
<td>13,000</td>
</tr>
<tr>
<td>AF</td>
<td>U.S. Air Force Academy</td>
<td>Air Force Cybercore</td>
<td>30,000</td>
<td>30,000</td>
</tr>
<tr>
<td>RU</td>
<td>Estonia</td>
<td>Amari Air Base—ER-E, PML Capacity Phase II</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>RU</td>
<td>Estonia</td>
<td>Amari Air Base—ER-Tactical Fighter Aircraft Parking Apron</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>FL</td>
<td>Eglin AFB</td>
<td>F-35A Armament Research Fac Addition (B614)</td>
<td>8,700</td>
<td>8,700</td>
</tr>
<tr>
<td>FL</td>
<td>Eglin AFB</td>
<td>Long-Range Stand-Off Acquisition Fac</td>
<td>38,000</td>
<td>38,000</td>
</tr>
<tr>
<td>FL</td>
<td>Eglin AFB</td>
<td>Dormitories (288 REX)</td>
<td>0</td>
<td>44,000</td>
</tr>
<tr>
<td>FL</td>
<td>MaxDill AFB</td>
<td>KC-133 Beddown Ow/Mag Hq</td>
<td>8,100</td>
<td>8,100</td>
</tr>
<tr>
<td>GA</td>
<td>Tyndall Air Force Base</td>
<td>Fire Station</td>
<td>0</td>
<td>17,000</td>
</tr>
<tr>
<td>GA</td>
<td>Robins AFB</td>
<td>Commercial Vehicle Visitor Control Facility</td>
<td>9,800</td>
<td>9,800</td>
</tr>
<tr>
<td>HU</td>
<td>Hungary</td>
<td>Kecskemet AB—ER-E Airfield Upgrades</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>HU</td>
<td>Hungary</td>
<td>Kecskemet AB—ER-E Construct Parallel Taxiway</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>HU</td>
<td>Hungary</td>
<td>Kecskemet AB—ER-E Increase PML Storage Capacity</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IE</td>
<td>Keflavik</td>
<td>EIR-E, Airfield Upgrades</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IT</td>
<td>Italy</td>
<td>EIR-E, Airfield Upgrades</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AU</td>
<td>Aviano AB</td>
<td>Guardian Angel Operations Facility</td>
<td>27,325</td>
<td>0</td>
</tr>
<tr>
<td>KS</td>
<td>Kansas</td>
<td>McConnell AFB—Combat Arms Facility</td>
<td>37,500</td>
<td>37,500</td>
</tr>
<tr>
<td>LV</td>
<td>Liebherr Air Base</td>
<td>ERI Expand Strategic Ramp Parking</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>LUX</td>
<td>Luxembourg</td>
<td>ERI, SCAM/Deployable Airbase System Storage</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MI</td>
<td>Mariana Islands</td>
<td>APR, Land Acquisition</td>
<td>32,900</td>
<td>32,900</td>
</tr>
<tr>
<td>MD</td>
<td>Maryland</td>
<td>Joint Base Andrews—PAR Land Acquisition</td>
<td>17,300</td>
<td>17,300</td>
</tr>
<tr>
<td>MD</td>
<td>Maryland</td>
<td>Joint Base Andrews—Presidential Aircraft Support Complex</td>
<td>254,000</td>
<td>100,000</td>
</tr>
<tr>
<td>MA</td>
<td>Massachusetts</td>
<td>Hanscom AFB—Vandenberg Gate Complex</td>
<td>11,400</td>
<td>11,400</td>
</tr>
<tr>
<td>NV</td>
<td>Nevada</td>
<td>Nellis AFB—Red Flag 5th Gen Facility Addition</td>
<td>23,000</td>
<td>23,000</td>
</tr>
<tr>
<td>NV</td>
<td>Nellis AFB</td>
<td>Virtual Warfare Center Operations Facility</td>
<td>38,000</td>
<td>38,000</td>
</tr>
<tr>
<td>NJ</td>
<td>New Jersey</td>
<td>McGuire-Dix-Lakehurst—KC-46A ADAL, B1749 for ATO, &amp; LEA Serving</td>
<td>0</td>
<td>2,000</td>
</tr>
<tr>
<td>NJ</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ADAL, B1816 for Supply</td>
<td>0</td>
<td>6,000</td>
</tr>
<tr>
<td>NJ</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ADAL, B2339 for Boom Operator Trainer</td>
<td>0</td>
<td>6,100</td>
</tr>
<tr>
<td>NJ</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ADAL, B2234 Regional Jt Training Fac</td>
<td>0</td>
<td>18,000</td>
</tr>
<tr>
<td>NJ</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ADAL, B3259 for FAAM Trainer</td>
<td>0</td>
<td>5,300</td>
</tr>
<tr>
<td>NJ</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ADD to B1837 for Body Tanks Storage</td>
<td>0</td>
<td>2,300</td>
</tr>
<tr>
<td>NJ</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A Aerospace Ground Equipment Storage</td>
<td>0</td>
<td>4,100</td>
</tr>
<tr>
<td>NJ</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A After Apron &amp; Fuel Hydrants</td>
<td>0</td>
<td>17,000</td>
</tr>
<tr>
<td>NJ</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A After Flights for Ops and TPI AAM-J-004</td>
<td>0</td>
<td>9,000</td>
</tr>
<tr>
<td>NJ</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A After Facilities for Maintenance</td>
<td>0</td>
<td>5,800</td>
</tr>
<tr>
<td>NJ</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A Two-Day General Purpose Maintenance Hangar</td>
<td>0</td>
<td>72,000</td>
</tr>
<tr>
<td>NV</td>
<td>Cannon AFB</td>
<td>Dangerous Cargo Pad Relocate CATM</td>
<td>42,000</td>
<td>42,000</td>
</tr>
<tr>
<td>NV</td>
<td>Holloman AFB</td>
<td>RPA Fixed Ground Control Station Facility</td>
<td>4,250</td>
<td>4,250</td>
</tr>
<tr>
<td>Account</td>
<td>State/Country and Installation</td>
<td>Project Title</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>---------</td>
<td>--------------------------------</td>
<td>---------------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>AF</td>
<td>Kirtland Air Force Base</td>
<td>Fire Station</td>
<td>0</td>
<td>9,300</td>
</tr>
<tr>
<td></td>
<td>North Dakota</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Minot AFB</td>
<td>Indoor Firing Range</td>
<td>27,000</td>
<td>27,000</td>
</tr>
<tr>
<td></td>
<td>Norway</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reykjavik</td>
<td>ERI: Replace/Expand Quick Reaction Alert Pad</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Oman</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wright-Patterson AFB</td>
<td>Fire/Crash Rescue Station</td>
<td>0</td>
<td>6,800</td>
</tr>
<tr>
<td></td>
<td>Oklahoma</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Altus AFB</td>
<td>Fire Rescue Center</td>
<td>0</td>
<td>16,000</td>
</tr>
<tr>
<td></td>
<td>Qatar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Al Udeid</td>
<td>Consolidated Squadron Operations Facility</td>
<td>15,000</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Romania</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Campia Turzii Slovak</td>
<td>ERI: Upgrade Utilities Infrastructure</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Malacky</td>
<td>ERI: Airfield Upgrades</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Malacky</td>
<td>ERI: Increase POL Storage Capacity</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Slovakia</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Slova Airport</td>
<td>ERI: Airfield Upgrades</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>United Kingdom</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Royal Air Force Fairford</td>
<td>ERI: RC-133 Infrastructure</td>
<td>2,150</td>
<td>2,150</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Royal Air Force Fairford</td>
<td>ERI: RC-133 Intel and Squad Ops Facility</td>
<td>38,000</td>
<td>38,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Royal Air Force Fairford</td>
<td>ERI: RC-133 Runway Overrun Reconstruction</td>
<td>5,500</td>
<td>5,500</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Royal Air Force Lakenheath</td>
<td>Consolidated Corrosion Control Facility</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Royal Air Force Lakenheath</td>
<td>F-35A 6-Bay Hangar</td>
<td>24,000</td>
<td>24,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Royal Air Force Lakenheath</td>
<td>F-35A F-15 Parking</td>
<td>10,000</td>
<td>10,800</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Royal Air Force Lakenheath</td>
<td>F-35A Field Training Detachment Facility</td>
<td>12,492</td>
<td>12,492</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Royal Air Force Lakenheath</td>
<td>F-35A Flight Simulator Facility</td>
<td>22,000</td>
<td>22,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Royal Air Force Lakenheath</td>
<td>F-35A Infrastructure</td>
<td>6,700</td>
<td>6,700</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Royal Air Force Lakenheath</td>
<td>F-35A Squadron Operations and AMU</td>
<td>41,000</td>
<td>41,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Utah</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hill AFB</td>
<td>UTTR Consolidated Mission Control Center</td>
<td>28,000</td>
<td>28,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Worldwide</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unspecified Worldwide Locations</td>
<td>ERI: RC-133 Main Operating Base 4</td>
<td>269,000</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Worldwide Unspecified</td>
<td>ERI: Planning and Design</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unspecified Worldwide Locations</td>
<td>Planning and Design</td>
<td>97,852</td>
<td>97,852</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unspecified Worldwide Locations</td>
<td>Planning and Design</td>
<td>0</td>
<td>56,400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Various Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>31,400</td>
<td>31,400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wyoming</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>F. E. Warren AFB</td>
<td>Consolidated Hub/TRF Ops/AMU and Alert Fac</td>
<td>62,000</td>
<td>62,000</td>
</tr>
</tbody>
</table>

Military Construction, Air Force Total: 1,738,796, 1,678,174

Alaska
<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dc/Wide</td>
<td>Fort Greely</td>
<td>Missile Field #4</td>
<td>200,000</td>
<td>200,000</td>
</tr>
<tr>
<td></td>
<td>California</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dc/Wide</td>
<td>Camp Pendleton</td>
<td>Ambulatory Care Center Replacement</td>
<td>26,400</td>
<td>26,400</td>
</tr>
<tr>
<td>Dc/Wide</td>
<td>Camp Pendleton</td>
<td>SOF Marine Battalion Company/Team Facilities</td>
<td>9,934</td>
<td>9,934</td>
</tr>
<tr>
<td>Dc/Wide</td>
<td>Camp Pendleton</td>
<td>SOF Motor Transport Facility Expansion</td>
<td>7,284</td>
<td>7,284</td>
</tr>
<tr>
<td>Dc/Wide</td>
<td>Coronado</td>
<td>SOF Basic Training Command</td>
<td>96,077</td>
<td>96,077</td>
</tr>
<tr>
<td>Dc/Wide</td>
<td>Coronado</td>
<td>SOF Logistics Support Unit One Ops Fac. #1</td>
<td>46,175</td>
<td>46,175</td>
</tr>
</tbody>
</table>

November 7, 2017 (7:01 p.m.)
<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>DefWide</td>
<td>Colorado</td>
<td>SOF SEAL Team Ops Facility</td>
<td>50,265</td>
<td>50,265</td>
</tr>
<tr>
<td>DefWide</td>
<td>Colorado</td>
<td>SOF SEAL Team Ops Facility</td>
<td>66,218</td>
<td>66,218</td>
</tr>
<tr>
<td>DefWide</td>
<td>South Carolina</td>
<td>Ambulatory Care Center/Dental Add/Alt</td>
<td>10,200</td>
<td>10,200</td>
</tr>
<tr>
<td>DefWide</td>
<td>Virginia</td>
<td>Bath House Complex, PH 1</td>
<td>64,364</td>
<td>64,364</td>
</tr>
<tr>
<td>DefWide</td>
<td>Virginia</td>
<td>SOF Simulator Facility</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>DefWide</td>
<td>Virginia</td>
<td>Upgrade Open Storage Yard</td>
<td>4,100</td>
<td>4,100</td>
</tr>
<tr>
<td>DefWide</td>
<td>Virginia</td>
<td>SOF Combat Aircraft Parking Apron</td>
<td>34,700</td>
<td>34,700</td>
</tr>
<tr>
<td>DefWide</td>
<td>Georgia</td>
<td>SOF Simulator &amp; Firefighter Training Facility</td>
<td>11,700</td>
<td>11,700</td>
</tr>
<tr>
<td>DefWide</td>
<td>Illinois</td>
<td>Blood Donor Center Replacement</td>
<td>10,150</td>
<td>10,150</td>
</tr>
<tr>
<td>DefWide</td>
<td>Illinois</td>
<td>Medical Center Replacement Iner 7</td>
<td>106,700</td>
<td>106,700</td>
</tr>
<tr>
<td>DefWide</td>
<td>Missouri</td>
<td>Spangdahlem Elementary School Replacement</td>
<td>79,141</td>
<td>79,141</td>
</tr>
<tr>
<td>DefWide</td>
<td>North Carolina</td>
<td>Robinson Barracks Elem. School Replacement</td>
<td>46,609</td>
<td>46,609</td>
</tr>
<tr>
<td>DefWide</td>
<td>New Mexico</td>
<td>Construct Hydrant System</td>
<td>18,100</td>
<td>18,100</td>
</tr>
<tr>
<td>DefWide</td>
<td>New Mexico</td>
<td>Konga Medical Center Replacement Iner 7</td>
<td>23,900</td>
<td>23,900</td>
</tr>
<tr>
<td>DefWide</td>
<td>Hawaii</td>
<td>NSAW Kansas Tunnel Entrance</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>DefWide</td>
<td>Virginia</td>
<td>Vicenza High School Replacement</td>
<td>82,406</td>
<td>82,406</td>
</tr>
<tr>
<td>DefWide</td>
<td>Japan</td>
<td>Construct Bulk Storage Tanks PH 1</td>
<td>30,900</td>
<td>30,900</td>
</tr>
<tr>
<td>DefWide</td>
<td>Georgia</td>
<td>SOF Maintenance Hangar</td>
<td>3,972</td>
<td>3,972</td>
</tr>
<tr>
<td>DefWide</td>
<td>Turkey</td>
<td>SOF Special Tactics Operations Facility</td>
<td>27,373</td>
<td>27,373</td>
</tr>
<tr>
<td>DefWide</td>
<td>Oklahoma</td>
<td>Replace Mointing System</td>
<td>11,900</td>
<td>11,900</td>
</tr>
<tr>
<td>DefWide</td>
<td>Saipan</td>
<td>Upgrade Fuel Wharf</td>
<td>45,600</td>
<td>45,600</td>
</tr>
<tr>
<td>DefWide</td>
<td>Iwakuni</td>
<td>SOF Tactical Equipment Maintenance Facility</td>
<td>25,323</td>
<td>25,323</td>
</tr>
<tr>
<td>DefWide</td>
<td>Maryland</td>
<td>Airfield Apron</td>
<td>10,800</td>
<td>10,800</td>
</tr>
<tr>
<td>DefWide</td>
<td>Maryland</td>
<td>Operations and Warehouse Facilities</td>
<td>8,590</td>
<td>8,590</td>
</tr>
<tr>
<td>DefWide</td>
<td>Maryland</td>
<td>Simulator Facility</td>
<td>2,189</td>
<td>2,189</td>
</tr>
<tr>
<td>DefWide</td>
<td>Bethesda Naval Hospital</td>
<td>Medical Center Addition/Alteration Iner 2</td>
<td>123,800</td>
<td>123,800</td>
</tr>
<tr>
<td>DefWide</td>
<td>Fort Meade</td>
<td>NSAW Recategorize Building #2 Iner 3</td>
<td>313,968</td>
<td>313,968</td>
</tr>
<tr>
<td>DefWide</td>
<td>Fort Leonard Wood</td>
<td>Blood Processing Center Replacement</td>
<td>11,941</td>
<td>11,941</td>
</tr>
<tr>
<td>DefWide</td>
<td>Fort Leonard Wood</td>
<td>Hospital Replacement</td>
<td>250,000</td>
<td>100,000</td>
</tr>
<tr>
<td>DefWide</td>
<td>New York City</td>
<td>Next NIA West (N2W) Complex, Phase 1</td>
<td>353,000</td>
<td>175,000</td>
</tr>
<tr>
<td>DefWide</td>
<td>Cannon AFB</td>
<td>SOF C-130 Mov Facility</td>
<td>8,228</td>
<td>8,228</td>
</tr>
<tr>
<td>DefWide</td>
<td>North Carolina</td>
<td>Ambulatory Care Center Addition/Alteration</td>
<td>15,300</td>
<td>15,300</td>
</tr>
<tr>
<td>DefWide</td>
<td>South Carolina</td>
<td>Ambulatory Care Center/Dental Clinic</td>
<td>22,000</td>
<td>22,000</td>
</tr>
<tr>
<td>DefWide</td>
<td>Puerto Rico</td>
<td>Replace PVI Facilities</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>DefWide</td>
<td>Virginia</td>
<td>Replace Hazardous Materials Warehouse</td>
<td>8,400</td>
<td>8,400</td>
</tr>
<tr>
<td>DefWide</td>
<td>Virginia</td>
<td>SOF SAFRC Range Expansion</td>
<td>23,000</td>
<td>23,000</td>
</tr>
<tr>
<td>DefWide</td>
<td>Virginia</td>
<td>Painters Field</td>
<td>16,300</td>
<td>16,300</td>
</tr>
<tr>
<td>DefWide</td>
<td>Virginia</td>
<td>SOF SAFRC Range Expansion</td>
<td>28,700</td>
<td>28,700</td>
</tr>
<tr>
<td>DefWide</td>
<td>Virginia</td>
<td>Security Updates</td>
<td>13,260</td>
<td>13,260</td>
</tr>
</tbody>
</table>
### SEC. 4601. MILITARY CONSTRUCTION

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Def-Wide</td>
<td>Portsmouth</td>
<td>Replace Hazardous Materials Warehouse</td>
<td>$22,500</td>
<td>$22,500</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Contingency Construction</td>
<td>$10,000</td>
<td>0</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Energy Resilience and Conservation Investment Program</td>
<td>$150,000</td>
<td>$165,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>ERCIP Design</td>
<td>$10,000</td>
<td>$10,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Exercise Related Minor Construction</td>
<td>$11,490</td>
<td>$11,490</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning &amp; Design</td>
<td>$23,012</td>
<td>$23,012</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning &amp; Design MDIA East Coast Site</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning and Design</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning and Design</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning and Design</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning and Design</td>
<td>39,746</td>
<td>39,746</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning and Design</td>
<td>40,220</td>
<td>40,220</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning and Design</td>
<td>1,944</td>
<td>1,944</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning and Design</td>
<td>26,147</td>
<td>26,147</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning and Design</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning and Design</td>
<td>13,500</td>
<td>13,500</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Prior Year Savings: Defense Wide Unspecified Minor Construction</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>7,384</td>
<td>7,384</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>Unspecified Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>2,039</td>
<td>2,039</td>
</tr>
</tbody>
</table>

**Military Construction, Defense-Wide Total**

<table>
<thead>
<tr>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>DefenseWide Unspecified</td>
<td>$3,314,913</td>
<td>$2,941,513</td>
</tr>
</tbody>
</table>

**NATO Security Investment Program Total**

<table>
<thead>
<tr>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATO Security Investment Program</td>
<td>$154,000</td>
<td>$154,000</td>
</tr>
</tbody>
</table>

*Delaware*
- New Castle: Combined Support Maintenance Shop | $36,000 | $36,000 |

*Idaho*
- Idaho National Guard Center: Enlisted Barracks Transient Training | $19,000 | $19,000 |

*Iowa*
- Fort Leavenworth: Vehicle Maintenance Instructional Facility | $8,500 | $8,500 |

*Kansas*
- Kansas National Guard Center: Enlisted Barracks Transient Training | $8,500 | $8,500 |

*Maine*
- Maine National Guard Center: National Guard Readiness Center | $19,000 | $19,000 |

*Maryland*
- Salisbury: National Guard Readiness Center | $19,000 | $19,000 |

*Minnesota*
- Minnesota National Guard Center: National Guard Readiness Center | $39,000 | $39,000 |

*Missouri*
- Missouri National Guard Center: Enlisted Barracks Transient Training | $32,000 | $32,000 |

*New Mexico*
- New Mexico National Guard Center: National Guard Readiness Center | $8,600 | $8,600 |
# SEC. 4601. MILITARY CONSTRUCTION

## (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virginia</td>
<td>Army NG Fort Belvoir</td>
<td>Readiness Center Add/Alt</td>
<td>0</td>
<td>15,000</td>
</tr>
<tr>
<td>Army NG</td>
<td>Fort Pickett</td>
<td>Training Aid Center</td>
<td>4,550</td>
<td>4,550</td>
</tr>
<tr>
<td>Washington</td>
<td>TAMHIST</td>
<td>National Guard Readiness Center</td>
<td>31,000</td>
<td>31,000</td>
</tr>
<tr>
<td>Army NG</td>
<td>Worldwide Unspecified</td>
<td>Planning and Design</td>
<td>16,271</td>
<td>16,271</td>
</tr>
<tr>
<td>Army NG</td>
<td>Unspecified Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>16,731</td>
<td>16,731</td>
</tr>
</tbody>
</table>

### Military Construction, Army National Guard Total

<table>
<thead>
<tr>
<th>Army Res</th>
<th>California Fort McPherson</th>
<th>Army Reserve Center</th>
<th>36,000</th>
<th>36,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delaware</td>
<td>Army Res Newark</td>
<td>Army Reserve Center</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Ohio</td>
<td>Army Res Wright-Patterson AFB</td>
<td>Area Maintenance Support Activity</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Puerto Rico</td>
<td>Army Res Aguadilla</td>
<td>Army Reserve Center</td>
<td>12,400</td>
<td>12,400</td>
</tr>
<tr>
<td>Washington</td>
<td>Army Res Fort Buchanan</td>
<td>Reserve Center</td>
<td>0</td>
<td>26,000</td>
</tr>
<tr>
<td>Army Res</td>
<td>Lewis-McCord</td>
<td>Army Reserve Center</td>
<td>0</td>
<td>30,000</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>Army Res Fort McCoy</td>
<td>AT/304B Dining Facility–1428 PN</td>
<td>13,000</td>
<td>13,000</td>
</tr>
<tr>
<td>N/MC Res</td>
<td>Army Res Unspecified Worldwide</td>
<td>Planning and Design</td>
<td>6,887</td>
<td>6,887</td>
</tr>
<tr>
<td>N/MC Res</td>
<td>Unspecified Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>5,425</td>
<td>5,425</td>
</tr>
</tbody>
</table>

### Military Construction, Army Reserve Total

<table>
<thead>
<tr>
<th>N/MC Res</th>
<th>California Lemoore</th>
<th>Naval Operational Support Center Lemoore</th>
<th>17,330</th>
<th>17,330</th>
</tr>
</thead>
<tbody>
<tr>
<td>Georgia</td>
<td>N/MC Res Fort Gordon</td>
<td>Naval Operational Support Center Fort Gordon</td>
<td>17,797</td>
<td>17,797</td>
</tr>
<tr>
<td>New Jersey</td>
<td>N/MC Res Joint Base McGuire-Dislakehurst</td>
<td>Aircraft Apron, Taxiway &amp; Support Facilities</td>
<td>11,573</td>
<td>11,573</td>
</tr>
<tr>
<td>Texas</td>
<td>N/MC Res Fort Worth</td>
<td>KU/130-J EAC/TFS Facility</td>
<td>12,637</td>
<td>12,637</td>
</tr>
<tr>
<td>N/MC Res</td>
<td>Worldwide Unspecified</td>
<td>Planning &amp; Design</td>
<td>4,430</td>
<td>4,430</td>
</tr>
<tr>
<td>N/MC Res</td>
<td>Unspecified Worldwide Locations</td>
<td>Unspecified Minor Construction</td>
<td>1,504</td>
<td>1,504</td>
</tr>
</tbody>
</table>

### Military Construction, Naval Reserve Total

<p>| N/A           | California March AFB          | TFI Construct RPA Flight Training Unit     | 15,000          | 15,000                |
|---------------| Colorado                      | Space Control Facility                     | 8,000           | 8,000                 |
| N/A           | Connecticut Bradley LAF       | Construct Base Entry Complex               | 7,000           | 7,000                 |
| Air NG        | Indiana                       | Add to Building 764 for Weapons Release    | 0               | 0                     |
| Air NG        | Holman Regional Airport       | Construct Small Arms Range                 | 0               | 8,000                 |
| Air NG        | Kentucky Louisville LAF       | Add/Alter Response Forces Facility         | 9,000           | 9,000                 |
| Air NG        | Mississippi Jackson International Airport | Construct Small Arms Range                        | 0               | 8,000                 |
| Air NG        | Missouri Roscrans Memorial Airport | Replace Communications Facility              | 10,000          | 10,000                |
| Air NG        | New York Hancock Field       | Add to Flight Training Unit, Building 641  | 6,800           | 6,800                 |
| Air NG        | Ohio Bickhamer International Airport | Construct Small Arms Range                        | 0               | 8                     |
| Air NG        | Oklahoma Toledo Express Airport | Northern—Construct Alert Hangar             | 15,000          | 15,000                |
| Air NG        | Tuba International Airport   | Construct Small Arms Range                 | 0               | 8,000                 |</p>
<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oregon</td>
<td>Klamath Falls IAP</td>
<td>Construct Corrosion Control Hangar</td>
<td>10,500</td>
<td>10,500</td>
</tr>
<tr>
<td>Oregon</td>
<td>Klamath Falls IAP</td>
<td>Construct Indoor Range</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>Oregon</td>
<td>Joe Fox Field</td>
<td>Aircraft Maintenance Shops</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Oregon</td>
<td>McNary-Tyson Airport Air Guard</td>
<td>Replace KC–135 Maintenance Hangar and Shops</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>Oregon</td>
<td>Dane County Regional IAP</td>
<td>Construct Small Arms Range</td>
<td>0</td>
<td>8,000</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Planning and Design</td>
<td>Planning and Design</td>
<td>18,000</td>
<td>18,000</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Planning and Design</td>
<td>Planning and Design</td>
<td>0</td>
<td>2,000</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Unspecified Minor Construction</td>
<td>Unspecified Minor Construction</td>
<td>17,191</td>
<td>17,191</td>
</tr>
<tr>
<td>Military Construction, Air National Guard Total</td>
<td></td>
<td></td>
<td>161,491</td>
<td>195,491</td>
</tr>
<tr>
<td>Florida</td>
<td>Patrick AFB</td>
<td>Guardian Angel Facility</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Robins Air Force Base</td>
<td>Consolidated Mission Complex Phase 2</td>
<td>0</td>
<td>32,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Joint Region Marianas</td>
<td>Reserve Medical Training Facility</td>
<td>5,200</td>
<td>5,200</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Joint Base Pearl Harbor-Nick</td>
<td>Consolidated Training Facility</td>
<td>5,500</td>
<td>5,500</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Westover AFB</td>
<td>Indoor Small Arms Range</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Minnesota</td>
<td>Minneapolis-St. Paul IAP</td>
<td>Indoor Small Arms Range</td>
<td>0</td>
<td>9,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Seymour Johnson AFB</td>
<td>KC–46A ADAL for Alt Mission Storage</td>
<td>6,400</td>
<td>6,400</td>
</tr>
<tr>
<td>Texas</td>
<td>NAF JRB Fort Worth</td>
<td>Munitions Training/Admin Facility</td>
<td>0</td>
<td>3,100</td>
</tr>
<tr>
<td>Utah</td>
<td>Hill AFB</td>
<td>Add/Alter Life Support Facility</td>
<td>3,100</td>
<td>3,100</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Planning &amp; Design</td>
<td>Planning &amp; Design</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Planning &amp; Design</td>
<td>Planning &amp; Design</td>
<td>4,725</td>
<td>18,225</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Unspecified Minor Construction</td>
<td>Unspecified Minor Construction</td>
<td>3,610</td>
<td>3,610</td>
</tr>
<tr>
<td>Military Construction, Air Force Reserve Total</td>
<td></td>
<td></td>
<td>63,535</td>
<td>121,135</td>
</tr>
<tr>
<td>Georgia</td>
<td>Fort Gordon</td>
<td>Family Housing New Construction</td>
<td>6,100</td>
<td>6,100</td>
</tr>
<tr>
<td>Germany</td>
<td>Bamberg Hall</td>
<td>Construction Improvements</td>
<td>34,156</td>
<td>34,156</td>
</tr>
<tr>
<td>Germany</td>
<td>South Camp Vilseck</td>
<td>Family Housing New Construction (56 Units)</td>
<td>22,445</td>
<td>22,445</td>
</tr>
<tr>
<td>Korea</td>
<td>Camp Humphreys</td>
<td>Family Housing New Construction Inc 2</td>
<td>34,002</td>
<td>34,002</td>
</tr>
<tr>
<td>Korea</td>
<td>Kunsan Atoll</td>
<td>Family Housing Replacement Construction</td>
<td>31,000</td>
<td>31,000</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Natwick</td>
<td>Family Housing Replacement Construction</td>
<td>21,000</td>
<td>21,000</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Planning &amp; Design</td>
<td>Planning &amp; Design</td>
<td>33,559</td>
<td>33,559</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Planning &amp; Design</td>
<td>Planning &amp; Design</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Prior Year Savings</td>
<td>Prior Year Savings Family Housing Construction,</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Furnishings</td>
<td>Furnishings</td>
<td>12,816</td>
<td>12,816</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Housing Privatization Support</td>
<td>Housing Privatization Support</td>
<td>20,881</td>
<td>20,881</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Leasing</td>
<td>Leasing</td>
<td>148,538</td>
<td>148,538</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td>Maintenance</td>
<td>Maintenance</td>
<td>57,708</td>
<td>57,708</td>
</tr>
<tr>
<td>Family Housing Construction, Army Total</td>
<td></td>
<td></td>
<td>182,662</td>
<td>182,662</td>
</tr>
<tr>
<td>Account</td>
<td>State/Country and Installation</td>
<td>Project Title</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>--------------------------------</td>
<td>--------------------------------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>FH Ops Army</td>
<td>Unspecified Worldwide Locations</td>
<td>Management</td>
<td>37,089</td>
<td>37,089</td>
</tr>
<tr>
<td>FH Ops Army</td>
<td>Unspecified Worldwide Locations</td>
<td>Miscellaneous</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>FH Ops Army</td>
<td>Unspecified Worldwide Locations</td>
<td>Services</td>
<td>8,930</td>
<td>8,930</td>
</tr>
<tr>
<td>FH Ops Army</td>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td>60,251</td>
<td>60,251</td>
</tr>
<tr>
<td><strong>Family Housing Operation And Maintenance, Army Total</strong></td>
<td></td>
<td></td>
<td><strong>346,625</strong></td>
<td><strong>346,625</strong></td>
</tr>
<tr>
<td>Bahrain Island</td>
<td>SW Asia</td>
<td>Construction Base GFOQ</td>
<td>2,138</td>
<td>2,138</td>
</tr>
<tr>
<td>Mariana Islands</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Con Navy</td>
<td>Guam</td>
<td>Replace Andersen Housing PH II</td>
<td>40,875</td>
<td>40,875</td>
</tr>
<tr>
<td>FH Con Navy</td>
<td>Worldwide Unspecified Locations</td>
<td>Construction Improvements</td>
<td>36,251</td>
<td>36,251</td>
</tr>
<tr>
<td>FH Con Navy</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning &amp; Design</td>
<td>4,418</td>
<td>4,418</td>
</tr>
<tr>
<td>FH Con Navy</td>
<td>Unspecified Worldwide Locations</td>
<td>Prior Year Savings: Family Housing Construction, N/MC</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Family Housing Construction, Navy And Marine Corps Total</strong></td>
<td></td>
<td></td>
<td><strong>83,682</strong></td>
<td><strong>83,682</strong></td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>Worldwide Unspecified Locations</td>
<td>Furnishings</td>
<td>14,529</td>
<td>14,529</td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>Unspecified Worldwide Locations</td>
<td>Housing Privatization Support</td>
<td>27,587</td>
<td>27,587</td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>Unspecified Worldwide Locations</td>
<td>Leasing</td>
<td>61,921</td>
<td>61,921</td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>Unspecified Worldwide Locations</td>
<td>Maintenance</td>
<td>95,104</td>
<td>95,104</td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>Unspecified Worldwide Locations</td>
<td>Management</td>
<td>50,989</td>
<td>50,989</td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>Unspecified Worldwide Locations</td>
<td>Miscellaneous</td>
<td>336</td>
<td>336</td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>Unspecified Worldwide Locations</td>
<td>Services</td>
<td>15,649</td>
<td>15,649</td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td>62,167</td>
<td>62,167</td>
</tr>
<tr>
<td><strong>Family Housing Operation And Maintenance, Navy And Marine Corps Total</strong></td>
<td></td>
<td></td>
<td><strong>328,282</strong></td>
<td><strong>328,282</strong></td>
</tr>
<tr>
<td>FH Con AF</td>
<td>Worldwide Unspecified Locations</td>
<td>Construction Improvements</td>
<td>80,617</td>
<td>80,617</td>
</tr>
<tr>
<td>FH Con AF</td>
<td>Unspecified Worldwide Locations</td>
<td>Planning &amp; Design</td>
<td>4,445</td>
<td>4,445</td>
</tr>
<tr>
<td>FH Con AF</td>
<td>Unspecified Worldwide Locations</td>
<td>Prior Year Savings: Family Housing Construction, N/MC</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Family Housing Construction, Air Force Total</strong></td>
<td></td>
<td></td>
<td><strong>85,062</strong></td>
<td><strong>85,062</strong></td>
</tr>
<tr>
<td>FH Ops AF</td>
<td>Worldwide Unspecified Locations</td>
<td>Furnishings</td>
<td>29,424</td>
<td>29,424</td>
</tr>
<tr>
<td>FH Ops AF</td>
<td>Unspecified Worldwide Locations</td>
<td>Housing Privatization Support</td>
<td>21,569</td>
<td>21,569</td>
</tr>
<tr>
<td>FH Ops AF</td>
<td>Unspecified Worldwide Locations</td>
<td>Leasing</td>
<td>16,818</td>
<td>16,818</td>
</tr>
<tr>
<td>FH Ops AF</td>
<td>Unspecified Worldwide Locations</td>
<td>Maintenance</td>
<td>134,189</td>
<td>134,189</td>
</tr>
<tr>
<td>FH Ops AF</td>
<td>Unspecified Worldwide Locations</td>
<td>Management</td>
<td>53,464</td>
<td>53,464</td>
</tr>
<tr>
<td>FH Ops AF</td>
<td>Unspecified Worldwide Locations</td>
<td>Miscellaneous</td>
<td>1,839</td>
<td>1,839</td>
</tr>
<tr>
<td>FH Ops AF</td>
<td>Unspecified Worldwide Locations</td>
<td>Services</td>
<td>13,517</td>
<td>13,517</td>
</tr>
<tr>
<td>FH Ops AF</td>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td>47,504</td>
<td>47,504</td>
</tr>
<tr>
<td><strong>Family Housing Operation And Maintenance, Air Force Total</strong></td>
<td></td>
<td></td>
<td><strong>318,324</strong></td>
<td><strong>318,324</strong></td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Worldwide Unspecified Locations</td>
<td>Furnishings</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Account</td>
<td>State/Country and Installation</td>
<td>Project Title</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>---------</td>
<td>--------------------------------</td>
<td>---------------</td>
<td>----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Unspecified Worldwide Locations</td>
<td>Furnishings</td>
<td>641</td>
<td>641</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Unspecified Worldwide Locations</td>
<td>Furnishings</td>
<td>407</td>
<td>407</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Unspecified Worldwide Locations</td>
<td>Leasing</td>
<td>12,390</td>
<td>12,390</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Unspecified Worldwide Locations</td>
<td>Leasing</td>
<td>39,716</td>
<td>39,716</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Unspecified Worldwide Locations</td>
<td>Maintenance</td>
<td>655</td>
<td>655</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Unspecified Worldwide Locations</td>
<td>Maintenance</td>
<td>567</td>
<td>567</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Unspecified Worldwide Locations</td>
<td>Management</td>
<td>319</td>
<td>319</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Unspecified Worldwide Locations</td>
<td>Services</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td>268</td>
<td>268</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td>86</td>
<td>86</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>Unspecified Worldwide Locations</td>
<td>Utilities</td>
<td>4,100</td>
<td>4,100</td>
</tr>
<tr>
<td>Family Housing Operation And Maintenance, Defense-Wide Total</td>
<td>Worldwide Unspecified</td>
<td></td>
<td>59,169</td>
<td>59,169</td>
</tr>
<tr>
<td>FHIF</td>
<td>Unspecified Worldwide Locations</td>
<td>Administrative Expenses—FHIF</td>
<td>2,726</td>
<td>2,726</td>
</tr>
<tr>
<td>DoD Family Housing Improvement Fund Total</td>
<td>Worldwide Unspecified</td>
<td></td>
<td>2,726</td>
<td>2,726</td>
</tr>
<tr>
<td>UHIF</td>
<td>Unaccompanied Housing Improvement Fund</td>
<td>Administrative Expenses—UHIF</td>
<td>623</td>
<td>623</td>
</tr>
<tr>
<td>Unaccompanyed Housing Improvement Fund Total</td>
<td>Worldwide Unspecified</td>
<td></td>
<td>623</td>
<td>623</td>
</tr>
<tr>
<td>BRAC</td>
<td>Base Realignment &amp; Closure, Army</td>
<td>Base Realignment and Closure</td>
<td>58,000</td>
<td>58,000</td>
</tr>
<tr>
<td>Base Realignment and Closure—Army Total</td>
<td>Worldwide Unspecified</td>
<td></td>
<td>58,000</td>
<td>58,000</td>
</tr>
<tr>
<td>BRAC</td>
<td>Base Realignment &amp; Closure, Navy</td>
<td>Base Realignment and Closure</td>
<td>93,474</td>
<td>128,474</td>
</tr>
<tr>
<td>BRAC</td>
<td>Unspecified Worldwide Locations</td>
<td>DONX-100: Planning, Design and Management</td>
<td>8,428</td>
<td>8,428</td>
</tr>
<tr>
<td>BRAC</td>
<td>Unspecified Worldwide Locations</td>
<td>DONX-101: Various Locations</td>
<td>23,753</td>
<td>23,753</td>
</tr>
<tr>
<td>BRAC</td>
<td>Unspecified Worldwide Locations</td>
<td>DONX-118: NAS Hinesville, GA</td>
<td>647</td>
<td>647</td>
</tr>
<tr>
<td>BRAC</td>
<td>Unspecified Worldwide Locations</td>
<td>DONX-157: MUNA Kansas City, MO</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>BRAC</td>
<td>Unspecified Worldwide Locations</td>
<td>DONX-172: NWS Seal Beach, Concord, CA</td>
<td>5,355</td>
<td>5,355</td>
</tr>
<tr>
<td>BRAC</td>
<td>Unspecified Worldwide Locations</td>
<td>DONX-84: JRB Willow Grove &amp; Cambria Reg AP</td>
<td>4,737</td>
<td>4,737</td>
</tr>
<tr>
<td>BRAC</td>
<td>Unspecified Worldwide Locations</td>
<td>Undistributed</td>
<td>7,240</td>
<td>7,240</td>
</tr>
<tr>
<td>Base Realignment and Closure—Navy Total</td>
<td>Worldwide Unspecified</td>
<td></td>
<td>143,644</td>
<td>178,644</td>
</tr>
<tr>
<td>Total, Military Construction</td>
<td>Worldwide Unspecified</td>
<td></td>
<td>9,928,228</td>
<td>9,926,446</td>
</tr>
</tbody>
</table>

November 7, 2017 (7:01 p.m.)
## 1710

### SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTEMPORARY OPERATIONS.

<table>
<thead>
<tr>
<th>Service</th>
<th>State/Country and Installation</th>
<th>Project Description</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Army</td>
<td>Guantanamo Bay, Cuba</td>
<td>OCO Barracks</td>
<td>115,000</td>
<td>115,000</td>
</tr>
<tr>
<td>Army</td>
<td>Guantanamo Bay</td>
<td>OCO Barracks</td>
<td>115,000</td>
<td>115,000</td>
</tr>
<tr>
<td>Army</td>
<td>Various Locations</td>
<td>Forward Operating Site</td>
<td>0</td>
<td>6,400</td>
</tr>
<tr>
<td>Army</td>
<td>Unspecified Worldwide Locations</td>
<td>ERI Planning and Design</td>
<td>15,700</td>
<td>15,700</td>
</tr>
<tr>
<td>Army</td>
<td>Unspecified Worldwide Locations</td>
<td>OCO Planning and Design</td>
<td>9,000</td>
<td>9,000</td>
</tr>
<tr>
<td>Military Construction, Army Total</td>
<td></td>
<td></td>
<td>139,700</td>
<td>146,100</td>
</tr>
<tr>
<td>Navy</td>
<td>Camp Lemonier</td>
<td>Aircraft Parking Apron Expansion</td>
<td>0</td>
<td>13,390</td>
</tr>
<tr>
<td>Navy</td>
<td>Unspecified Worldwide Locations</td>
<td>ERI Planning and Design</td>
<td>18,500</td>
<td>18,500</td>
</tr>
<tr>
<td>Military Construction, Navy Total</td>
<td></td>
<td></td>
<td>18,500</td>
<td>31,890</td>
</tr>
<tr>
<td>Estonia</td>
<td>AF Amari Air Base</td>
<td>ERI POL Capacity Phase II</td>
<td>4,700</td>
<td>4,700</td>
</tr>
<tr>
<td>Hungary</td>
<td>Keekret AB</td>
<td>ERI Airfield Upgrades</td>
<td>12,900</td>
<td>12,900</td>
</tr>
<tr>
<td></td>
<td>Keekret AB</td>
<td>ERI Construct Parallel Taxiway</td>
<td>30,000</td>
<td>30,000</td>
</tr>
<tr>
<td></td>
<td>Keekret AB</td>
<td>ERI Increase POL Storage Capacity</td>
<td>12,500</td>
<td>12,500</td>
</tr>
<tr>
<td>Ireland</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Latvia</td>
<td>AF Leibnitz</td>
<td>ERI Airfield Upgrades</td>
<td>14,400</td>
<td>14,400</td>
</tr>
<tr>
<td>Norway</td>
<td>AF Nyggshe</td>
<td>ERI Replace/Expand Quick Reaction Alert Pad</td>
<td>10,300</td>
<td>10,300</td>
</tr>
<tr>
<td>Qatar</td>
<td>AF Al Udeid</td>
<td>ERI Consolidated Squadron Operations Facility</td>
<td>0</td>
<td>15,000</td>
</tr>
<tr>
<td>Romania</td>
<td>AF Campia Turzi</td>
<td>ERI Upgrade Utilities Infrastructure</td>
<td>2,950</td>
<td>2,950</td>
</tr>
<tr>
<td>Slovakia</td>
<td>AF Malevsky</td>
<td>ERI Airfield Upgrades</td>
<td>4,000</td>
<td>4,000</td>
</tr>
<tr>
<td></td>
<td>AF Malevsky</td>
<td>ERI Increase POL Storage Capacity</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td></td>
<td>AF Sice Airport</td>
<td>ERI Airfield Upgrades</td>
<td>22,000</td>
<td>22,000</td>
</tr>
<tr>
<td></td>
<td>Turkey</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AF Incirlik AB</td>
<td>ERI Dormitory—214PN</td>
<td>0</td>
<td>25,997</td>
</tr>
<tr>
<td></td>
<td>AF Incirlik AB</td>
<td>ECOO Relocate Main Access Control Point</td>
<td>14,600</td>
<td>14,600</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td></td>
<td>ERI Replace Perimeter Fence</td>
<td>8,100</td>
<td>8,100</td>
</tr>
<tr>
<td></td>
<td>Unspecified Worldwide Locations</td>
<td>ERI Planning and Design</td>
<td>56,630</td>
<td>56,630</td>
</tr>
<tr>
<td></td>
<td>Unspecified Worldwide Locations</td>
<td>ECOO—Planning and Design</td>
<td>41,500</td>
<td>41,500</td>
</tr>
<tr>
<td>Military Construction, Air Force Total</td>
<td></td>
<td></td>
<td>478,030</td>
<td>546,352</td>
</tr>
<tr>
<td>Italy</td>
<td>DefWide</td>
<td>ERI Construct Hydrant System</td>
<td>0</td>
<td>22,400</td>
</tr>
<tr>
<td>Worldwide Unspecified</td>
<td></td>
<td>ERI Planning and Design</td>
<td>1,900</td>
<td>1,900</td>
</tr>
<tr>
<td>Military Construction, Defense-Wide Total</td>
<td></td>
<td></td>
<td>1,900</td>
<td>24,300</td>
</tr>
<tr>
<td>Total, Military Construction</td>
<td></td>
<td></td>
<td>638,130</td>
<td>748,642</td>
</tr>
</tbody>
</table>
### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuclear Energy</td>
<td>133,000</td>
<td>133,000</td>
</tr>
<tr>
<td>Energy Programs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>National nuclear security administration:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weapons activities</td>
<td>10,239,344</td>
<td>10,377,475</td>
</tr>
<tr>
<td>Defense nuclear nonproliferation</td>
<td>1,793,310</td>
<td>1,883,310</td>
</tr>
<tr>
<td>Naval reactors</td>
<td>1,479,751</td>
<td>1,431,551</td>
</tr>
<tr>
<td>Federal salaries and expenses</td>
<td>418,595</td>
<td>407,595</td>
</tr>
<tr>
<td>Total, National nuclear security administration</td>
<td>13,931,000</td>
<td>14,099,931</td>
</tr>
<tr>
<td>Environmental and other defense activities:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defense environmental cleanup</td>
<td>5,537,186</td>
<td>5,440,106</td>
</tr>
<tr>
<td>Other defense activities</td>
<td>815,512</td>
<td>816,000</td>
</tr>
<tr>
<td>Defense nuclear waste disposal</td>
<td>30,000</td>
<td>30,000</td>
</tr>
<tr>
<td>Total, Environmental &amp; other defense activities</td>
<td>6,382,698</td>
<td>6,286,106</td>
</tr>
<tr>
<td>Total, Atomic Energy Defense Activities</td>
<td>20,313,698</td>
<td>20,386,037</td>
</tr>
<tr>
<td>Total, Discretionary Funding</td>
<td>20,446,698</td>
<td>20,519,037</td>
</tr>
<tr>
<td>Nuclear Energy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Idaho sitewide safeguards and security</td>
<td>133,000</td>
<td>133,000</td>
</tr>
<tr>
<td>Total, Nuclear Energy</td>
<td>133,000</td>
<td>133,000</td>
</tr>
<tr>
<td>Weapons Activities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Directed stockpile work</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Life extension programs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B61 Life extension program</td>
<td>788,572</td>
<td>788,572</td>
</tr>
<tr>
<td>W76 Life extension program</td>
<td>224,134</td>
<td>224,134</td>
</tr>
<tr>
<td>W88 Alteration program</td>
<td>332,292</td>
<td>332,292</td>
</tr>
<tr>
<td>W80-4 Life extension program</td>
<td>399,090</td>
<td>399,090</td>
</tr>
<tr>
<td>Total, Life extension programs</td>
<td>1,744,088</td>
<td>1,744,088</td>
</tr>
<tr>
<td>Stockpile systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B61 Stockpile systems</td>
<td>59,729</td>
<td>59,729</td>
</tr>
<tr>
<td>W76 Stockpile systems</td>
<td>51,400</td>
<td>51,400</td>
</tr>
<tr>
<td>W78 Stockpile systems</td>
<td>60,100</td>
<td>60,100</td>
</tr>
<tr>
<td>W80 Stockpile systems</td>
<td>80,087</td>
<td>80,087</td>
</tr>
<tr>
<td>B83 Stockpile systems</td>
<td>35,762</td>
<td>35,762</td>
</tr>
<tr>
<td>W87 Stockpile systems</td>
<td>83,200</td>
<td>83,200</td>
</tr>
<tr>
<td>W88 Stockpile systems</td>
<td>131,576</td>
<td>131,576</td>
</tr>
<tr>
<td>Total, Stockpile systems</td>
<td>501,854</td>
<td>501,854</td>
</tr>
<tr>
<td>Weapons dismantlement and disposition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations and maintenance</td>
<td>52,000</td>
<td>52,000</td>
</tr>
<tr>
<td>Stockpile services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Production support</td>
<td>470,400</td>
<td>470,400</td>
</tr>
<tr>
<td>Research and development support</td>
<td>31,150</td>
<td>31,150</td>
</tr>
</tbody>
</table>
### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;D certification and safety</td>
<td>196,840</td>
<td>196,840</td>
</tr>
<tr>
<td>Management, technology, and production</td>
<td>285,400</td>
<td>285,400</td>
</tr>
<tr>
<td><strong>Total, Stockpile services</strong></td>
<td><strong>983,790</strong></td>
<td><strong>983,790</strong></td>
</tr>
</tbody>
</table>

#### Strategic materials

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uranium sustainment</td>
<td>29,579</td>
<td>29,579</td>
</tr>
<tr>
<td>Plutonium sustainment</td>
<td>210,367</td>
<td>210,367</td>
</tr>
<tr>
<td>Tritium sustainment</td>
<td>198,152</td>
<td>198,152</td>
</tr>
<tr>
<td>Domestic uranium enrichment</td>
<td>60,000</td>
<td>60,000</td>
</tr>
<tr>
<td>Strategic materials sustainment</td>
<td>206,196</td>
<td>206,196</td>
</tr>
<tr>
<td><strong>Total, Strategic materials</strong></td>
<td><strong>685,294</strong></td>
<td><strong>685,294</strong></td>
</tr>
</tbody>
</table>

**Total, Directed stockpile work** = 5,977,026 + 3,977,026

#### Research, development, test and evaluation (RDT&E)

**Science**

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced certification</td>
<td>57,710</td>
<td>57,710</td>
</tr>
<tr>
<td>Primary assessment technologies</td>
<td>89,313</td>
<td>89,313</td>
</tr>
<tr>
<td>Dynamic materials properties</td>
<td>122,747</td>
<td>122,747</td>
</tr>
<tr>
<td>Advanced radiography</td>
<td>37,600</td>
<td>37,600</td>
</tr>
<tr>
<td>Secondary assessment technologies</td>
<td>76,833</td>
<td>76,833</td>
</tr>
<tr>
<td>Academic alliances and partnerships</td>
<td>52,963</td>
<td>52,963</td>
</tr>
<tr>
<td>Enhanced Capabilities for Subcritical Experiments</td>
<td>50,755</td>
<td>50,755</td>
</tr>
<tr>
<td><strong>Total, Science</strong></td>
<td><strong>487,521</strong></td>
<td><strong>487,521</strong></td>
</tr>
</tbody>
</table>

**Engineering**

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhanced surety</td>
<td>39,717</td>
<td>39,717</td>
</tr>
<tr>
<td>Weapon systems engineering assessment technology</td>
<td>23,029</td>
<td>23,029</td>
</tr>
<tr>
<td>Nuclear survivability</td>
<td>45,230</td>
<td>45,230</td>
</tr>
<tr>
<td>Enhanced surveillance</td>
<td>45,147</td>
<td>45,147</td>
</tr>
<tr>
<td><strong>Total, Engineering</strong></td>
<td><strong>193,123</strong></td>
<td><strong>193,123</strong></td>
</tr>
</tbody>
</table>

**Inertial confinement fusion ignition and high yield**

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ignition</td>
<td>79,375</td>
<td>77,932</td>
</tr>
<tr>
<td>Program decrease</td>
<td>[–1,643]</td>
<td>[–1,643]</td>
</tr>
<tr>
<td>Support of other stockpile programs</td>
<td>23,565</td>
<td>23,565</td>
</tr>
<tr>
<td>Diagnostics, energization and experimental support</td>
<td>77,915</td>
<td>77,915</td>
</tr>
<tr>
<td>Pulsed power inertial confinement fusion</td>
<td>7,596</td>
<td>7,596</td>
</tr>
<tr>
<td>Joint program in high energy density laboratory plasmas</td>
<td>9,492</td>
<td>9,492</td>
</tr>
<tr>
<td><strong>Total, Inertial confinement fusion and high yield</strong></td>
<td><strong>532,934</strong></td>
<td><strong>531,291</strong></td>
</tr>
</tbody>
</table>

**Advanced simulation and computing**

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced simulation and computing</td>
<td>709,244</td>
<td>709,244</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18–D–670, Exascale Class Computer Cooling Equipment, LNL</td>
<td>22,000</td>
<td>22,000</td>
</tr>
<tr>
<td>18–D–620, Exascale Computing Facility Modernization Project</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td><strong>25,000</strong></td>
<td><strong>25,000</strong></td>
</tr>
<tr>
<td><strong>Total, Advanced simulation and computing</strong></td>
<td><strong>734,244</strong></td>
<td><strong>734,244</strong></td>
</tr>
</tbody>
</table>

**Advanced manufacturing**

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additive manufacturing</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Component manufacturing development</td>
<td>38,644</td>
<td>38,644</td>
</tr>
<tr>
<td>Processing technology development</td>
<td>29,896</td>
<td>34,896</td>
</tr>
<tr>
<td>Program increase</td>
<td>[–1,643]</td>
<td>[–1,643]</td>
</tr>
<tr>
<td><strong>Total, Advanced manufacturing</strong></td>
<td><strong>80,540</strong></td>
<td><strong>85,540</strong></td>
</tr>
<tr>
<td><strong>Total, RDT&amp;E</strong></td>
<td><strong>2,028,362</strong></td>
<td><strong>2,031,719</strong></td>
</tr>
</tbody>
</table>

#### Infrastructure and operations (formerly RTBF)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operations of facilities</td>
<td>868,000</td>
<td>848,470</td>
</tr>
<tr>
<td>Safety and environmental operations</td>
<td>116,000</td>
<td>116,000</td>
</tr>
<tr>
<td>Maintenance and repair of facilities</td>
<td>360,000</td>
<td>395,000</td>
</tr>
<tr>
<td>Program increase to address high-priority preventative maintenance</td>
<td>[35,000]</td>
<td>[35,000]</td>
</tr>
<tr>
<td>Recaptialization</td>
<td>427,342</td>
<td>542,342</td>
</tr>
<tr>
<td>Program increase to address high-priority deferred maintenance</td>
<td>[115,000]</td>
<td>[115,000]</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18–D–680, Material Staging Facility, PX</td>
<td>0</td>
<td>5,200</td>
</tr>
<tr>
<td>Project initiation</td>
<td>[5,200]</td>
<td>[5,200]</td>
</tr>
<tr>
<td>18–D–660, Fire Station, Y–12</td>
<td>28,000</td>
<td>28,000</td>
</tr>
<tr>
<td>Program</td>
<td>FY 2018 Request</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>-----------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>18–D–650, Tritium Production Capability, SRS</td>
<td>6,800</td>
<td>6,800</td>
</tr>
<tr>
<td>17–D–640 U1a Complex Enhancements Project, NNSL</td>
<td>22,100</td>
<td>22,100</td>
</tr>
<tr>
<td>17–D–630 Expand Electrical Distribution System, LLNL</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td>16–D–515 Alenquer complex project</td>
<td>98,000</td>
<td>98,000</td>
</tr>
<tr>
<td>15–D–613 Emergency Operations Center, Y–12</td>
<td>7,000</td>
<td>7,000</td>
</tr>
<tr>
<td>07–D–220 Radiactive liquid waste treatment facility upgrade project, LANL</td>
<td>2,100</td>
<td>2,100</td>
</tr>
<tr>
<td>07–D–220–04 Transuranic liquid waste facility, LANL</td>
<td>17,895</td>
<td>17,895</td>
</tr>
<tr>
<td>06–D–141 Uranium processing facility Y–12, Oak Ridge, TX</td>
<td>663,000</td>
<td>663,000</td>
</tr>
<tr>
<td>04–D–125 Chemistry and metallurgy research facility replacement project, LANL</td>
<td>180,900</td>
<td>180,900</td>
</tr>
<tr>
<td>Total, Weapons Activities</td>
<td>1,031,795</td>
<td>1,030,995</td>
</tr>
<tr>
<td>Total, Infrastructure and operations</td>
<td>2,803,137</td>
<td>2,938,807</td>
</tr>
</tbody>
</table>

### Secure transportation asset

| Operations and equipment                      | 219,464 | 185,568 |
| Support to physical security infrastructure recapitalization and START | [28,000] |
| Program direction                              | 105,600 | 105,600 |
| Total, Secure transportation asset            | 325,064 | 291,168 |

### Defense nuclear security

| Operations and maintenance | 686,977 | 714,977 |
| Support to physical security infrastructure recapitalization and START | [28,000] |
| Total, Defense security | 686,977 | 719,977 |

#### Construction:

| 17–D–710 West end protected area reduction project, Y–12 | 0 | 5,000 |
| Program increase | [5,000] |
| Total, Defense nuclear security | 686,977 | 719,977 |

### Information technology and cybersecurity

| 186,728 | 186,728 |
| Legacy contractor pension | 232,050 | 232,050 |
| Total, Weapons Activities | 10,239,344 | 10,377,475 |

### Defense Nuclear Nonproliferation

#### Defense Nuclear Nonproliferation Programs

##### Global material security

| International nuclear security | 46,339 | 46,339 |
| Radiological security | 146,340 | 166,340 |
| Protection and safe disposal of radioactive sources | [20,000] |
| Nuclear smuggling detection | 144,429 | 139,429 |
| Program decrease | [–5,000] |
| Total, Global material security | 337,108 | 352,108 |

##### Material management and minimization

| HEU reactor conversion | 125,500 | 125,500 |
| Nuclear material removal | 32,925 | 32,925 |
| Material disposition | 173,669 | 173,669 |
| Total, Material management & minimization | 332,094 | 332,094 |

| Nonproliferation and arms control | 129,703 | 129,703 |
| Defense nuclear nonproliferation R&D | 446,095 | 451,095 |
| Acceleration of low-yield detection experiments and 3D printing efforts | [5,000] |
| Nonproliferation Construction: | 18–D–150 Surplus Plutonium Disposition Project | 9,000 | 9,000 |
| 99–D–143 Mixed Oxide (MOX) Fuel Fabrication Facility, SRS | 270,000 | 340,000 |
| Program increase | [70,000] |
| Total, Nonproliferation construction | 279,000 | 349,000 |
| Total, Defense Nuclear Nonproliferation Programs | 1,524,000 | 1,614,000 |

##### Low Enriched Uranium R&D for Naval Reactors

| Legacy contractor pensions | 40,950 | 40,950 |
| Nuclear counterterrorism and incident response program | 277,360 | 277,360 |
| Reversion of prior year balances | [–49,000] |
| Total, Defense Nuclear Nonproliferation Programs | 1,793,310 | 1,883,310 |
### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

*(In Thousands of Dollars)*

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Naval Reactors</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naval reactors development</td>
<td>473,267</td>
<td>473,267</td>
</tr>
<tr>
<td>Columbia-Class reactor systems development</td>
<td>156,700</td>
<td>156,700</td>
</tr>
<tr>
<td>SSN Prototype refueling</td>
<td>190,000</td>
<td>190,000</td>
</tr>
<tr>
<td>Naval reactors operations and infrastructure</td>
<td>466,884</td>
<td>466,884</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15–D–904 NRE Overpack Storage Expansion</td>
<td>13,700</td>
<td>13,700</td>
</tr>
<tr>
<td>15–D–903 KL Fire System Upgrade</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>14–D–901 Spent fuel handling recapitalization project, NRF</td>
<td>116,000</td>
<td>116,000</td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td>144,400</td>
<td>144,400</td>
</tr>
<tr>
<td>Program direction</td>
<td>48,200</td>
<td>46,651</td>
</tr>
<tr>
<td>Program decrease</td>
<td>[–1,549]</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Naval Reactors</strong></td>
<td>1,479,751</td>
<td>1,431,651</td>
</tr>
<tr>
<td><strong>Federal Salaries And Expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program direction</td>
<td>418,595</td>
<td>407,595</td>
</tr>
<tr>
<td>Program decrease to support maximum of 1,690 employees</td>
<td>[–11,000]</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Office Of The Administrator</strong></td>
<td>418,595</td>
<td>407,595</td>
</tr>
<tr>
<td><strong>Defense Environmental Cleanup</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closure sites:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closure sites administration</td>
<td>4,889</td>
<td>4,889</td>
</tr>
<tr>
<td><strong>Hanford site:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>River corridor and other cleanup operations</td>
<td>58,692</td>
<td>93,692</td>
</tr>
<tr>
<td>Acceleration of priority programs</td>
<td>[53,000]</td>
<td></td>
</tr>
<tr>
<td>Central plateau remediation</td>
<td>642,250</td>
<td>642,250</td>
</tr>
<tr>
<td>Acceleration of priority programs</td>
<td>[4,371]</td>
<td></td>
</tr>
<tr>
<td>Richland community and regulatory support</td>
<td>5,121</td>
<td>5,121</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18–D–404 WESF Modifications and Capsule Storage</td>
<td>6,500</td>
<td>6,500</td>
</tr>
<tr>
<td>15–D–401 Containerized sludge removal annex, RI</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td>14,500</td>
<td>14,500</td>
</tr>
<tr>
<td><strong>Total, Hanford site</strong></td>
<td>716,192</td>
<td>755,563</td>
</tr>
<tr>
<td><strong>Idaho National Laboratory:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SNF stabilization and disposition—2012</td>
<td>19,975</td>
<td>19,975</td>
</tr>
<tr>
<td>Solid waste stabilization and disposition</td>
<td>170,101</td>
<td>170,101</td>
</tr>
<tr>
<td>Radioactive liquid tank waste stabilization and disposition</td>
<td>111,352</td>
<td>111,352</td>
</tr>
<tr>
<td>Soil and water remediation—2035</td>
<td>44,727</td>
<td>44,727</td>
</tr>
<tr>
<td>Idaho community and regulatory support</td>
<td>4,071</td>
<td>4,071</td>
</tr>
<tr>
<td><strong>Total, Idaho National Laboratory</strong></td>
<td>350,226</td>
<td>350,226</td>
</tr>
<tr>
<td><strong>NNSA sites</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lawrence Livermore National Laboratory</td>
<td>1,175</td>
<td>1,175</td>
</tr>
<tr>
<td>Separations Process Research Unit</td>
<td>1,800</td>
<td>1,800</td>
</tr>
<tr>
<td>Nevada</td>
<td>60,136</td>
<td>60,136</td>
</tr>
<tr>
<td>Sandia National Laboratories</td>
<td>2,600</td>
<td>2,600</td>
</tr>
<tr>
<td>Los Alamos National Laboratory</td>
<td>191,629</td>
<td>191,629</td>
</tr>
<tr>
<td><strong>Total, NNSA sites and Nevada off-sites</strong></td>
<td>257,340</td>
<td>257,340</td>
</tr>
<tr>
<td><strong>Oak Ridge Reservation:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR Nuclear facility D &amp; D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR-0041—D&amp;D - Y–12</td>
<td>29,369</td>
<td>29,369</td>
</tr>
<tr>
<td>OR-0042—D&amp;D -ORNL</td>
<td>48,110</td>
<td>48,110</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17–D–401 On-site waste disposal facility</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>14–D–403 Outfall 200 Mercury Treatment facility</td>
<td>17,100</td>
<td>17,100</td>
</tr>
<tr>
<td><strong>Total, OR Nuclear facility D &amp; D</strong></td>
<td>99,579</td>
<td>99,579</td>
</tr>
<tr>
<td><strong>U233 Disposition Program</strong></td>
<td>33,784</td>
<td>33,784</td>
</tr>
<tr>
<td>OR cleanup and disposition</td>
<td>66,632</td>
<td>66,632</td>
</tr>
<tr>
<td>OR reservation community and regulatory support</td>
<td>4,000</td>
<td>4,000</td>
</tr>
<tr>
<td>OR Solid waste stabilization and disposition technology development</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td><strong>Total, Oak Ridge Reservation</strong></td>
<td>207,600</td>
<td>207,600</td>
</tr>
</tbody>
</table>

**Office of River Protection:**

Waste treatment and immobilization plant
### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>01-D-416 A-D WTP Subprojects A-D</td>
<td>655,000</td>
<td>655,000</td>
</tr>
<tr>
<td>01-D-416 E—Pretreatment Facility</td>
<td>35,000</td>
<td>35,000</td>
</tr>
<tr>
<td><strong>Total, 01-D-416 Construction</strong></td>
<td>690,000</td>
<td>690,000</td>
</tr>
<tr>
<td>WTP Commissioning</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td><strong>Total, Waste treatment and immobilization plant</strong></td>
<td>698,000</td>
<td>698,000</td>
</tr>
<tr>
<td><strong>Tank farm activities</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rad liquid tank waste stabilization and disposition</td>
<td>713,311</td>
<td>713,311</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15-D-409 Low activity waste pretreatment system, OHP</td>
<td>93,000</td>
<td>93,000</td>
</tr>
<tr>
<td><strong>Total, Tank farm activities</strong></td>
<td>806,311</td>
<td>806,311</td>
</tr>
<tr>
<td><strong>Total, Office of River protection</strong></td>
<td>1,504,311</td>
<td>1,504,311</td>
</tr>
<tr>
<td><strong>Savannah River Sites:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuclear Material Management</td>
<td>325,482</td>
<td>350,482</td>
</tr>
<tr>
<td>Acceleration of priority programs</td>
<td></td>
<td>[27,000]</td>
</tr>
<tr>
<td><strong>Environmental Cleanup</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Cleanup</td>
<td>159,478</td>
<td>159,478</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>08-D-402, Emergency Operations Center</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td><strong>Total, Environmental Cleanup</strong></td>
<td>159,978</td>
<td>159,978</td>
</tr>
<tr>
<td><strong>SR community and regulatory support</strong></td>
<td>11,249</td>
<td>11,249</td>
</tr>
<tr>
<td><strong>Radioactive liquid tank waste:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rad liquid tank waste stabilization and disposition</td>
<td>587,258</td>
<td>587,258</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-D-401, SDU #89</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>17-D-402—Saltstone Disposal Unit #7</td>
<td>40,000</td>
<td>40,000</td>
</tr>
<tr>
<td>05-D-405 Salt waste processing facility, Savannah River Site</td>
<td>150,000</td>
<td>150,000</td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td>159,978</td>
<td>159,978</td>
</tr>
<tr>
<td><strong>Total, Radioactive liquid tank waste</strong></td>
<td>787,758</td>
<td>787,758</td>
</tr>
<tr>
<td><strong>Total, Savannah River site</strong></td>
<td>1,282,467</td>
<td>1,309,467</td>
</tr>
<tr>
<td><strong>Waste Isolation Pilot Plant</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations and maintenance</td>
<td>206,617</td>
<td>206,617</td>
</tr>
<tr>
<td>Central characterization project</td>
<td>22,500</td>
<td>22,500</td>
</tr>
<tr>
<td>Transportation</td>
<td>21,854</td>
<td>21,854</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15-D-411 Safety significant confinement ventilation system, WIPP</td>
<td>46,000</td>
<td>46,000</td>
</tr>
<tr>
<td>15-D-412 Exhaust shaft, WIPP</td>
<td>19,600</td>
<td>19,600</td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td>65,600</td>
<td>65,600</td>
</tr>
<tr>
<td><strong>Total, Waste Isolation Pilot Plant</strong></td>
<td>316,571</td>
<td>316,571</td>
</tr>
<tr>
<td>Program direction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program support</td>
<td>6,979</td>
<td>6,979</td>
</tr>
<tr>
<td>WCF Mission Related Activities</td>
<td>22,109</td>
<td>2,000</td>
</tr>
<tr>
<td>Program decrease</td>
<td></td>
<td>[-20,109]</td>
</tr>
<tr>
<td>Minority Serving Institution Partnership</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td><strong>Safeguards and Security</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oak Ridge Reservation</td>
<td>16,500</td>
<td>16,500</td>
</tr>
<tr>
<td>Paducah</td>
<td>14,049</td>
<td>14,049</td>
</tr>
<tr>
<td>Portsmouth</td>
<td>12,713</td>
<td>12,713</td>
</tr>
<tr>
<td>Richland/Hanford Site</td>
<td>75,600</td>
<td>75,600</td>
</tr>
<tr>
<td>Savannah River Site</td>
<td>142,314</td>
<td>142,314</td>
</tr>
<tr>
<td>Waste Isolation Pilot Project</td>
<td>5,200</td>
<td>5,200</td>
</tr>
<tr>
<td>West Valley</td>
<td>2,784</td>
<td>2,784</td>
</tr>
<tr>
<td><strong>Total, Safeguards and Security</strong></td>
<td>269,160</td>
<td>269,160</td>
</tr>
<tr>
<td>Cyber Security</td>
<td>43,342</td>
<td>0</td>
</tr>
<tr>
<td>Program decrease</td>
<td></td>
<td>[-43,342]</td>
</tr>
<tr>
<td>Technology development</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>R&amp;D/RF-0040—Reness Facilities</td>
<td>225,000</td>
<td>125,000</td>
</tr>
<tr>
<td>Program decrease</td>
<td></td>
<td>[-100,000]</td>
</tr>
<tr>
<td><strong>Total, Defense Environmental Cleanup</strong></td>
<td>5,537,186</td>
<td>5,440,106</td>
</tr>
</tbody>
</table>

### Other Defense Activities

---

*November 7, 2017 (7:01 p.m.)*

(680035/3)
<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment, health, safety and security</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment, health, safety and security</td>
<td>130,693</td>
<td>128,946</td>
</tr>
<tr>
<td>Program decrease</td>
<td>[–1,747]</td>
<td></td>
</tr>
<tr>
<td>Program direction</td>
<td>68,765</td>
<td>68,000</td>
</tr>
<tr>
<td>Program decrease</td>
<td>[–765]</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Environment, Health, safety and security</strong></td>
<td><strong>199,458</strong></td>
<td><strong>196,946</strong></td>
</tr>
<tr>
<td>Independent enterprise assessments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Independent enterprise assessments</td>
<td>24,068</td>
<td>24,068</td>
</tr>
<tr>
<td>Program direction</td>
<td>50,863</td>
<td>50,863</td>
</tr>
<tr>
<td><strong>Total, Independent enterprise assessments</strong></td>
<td><strong>74,931</strong></td>
<td><strong>74,931</strong></td>
</tr>
<tr>
<td>Specialized security activities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classified topic</td>
<td>237,912</td>
<td>240,912</td>
</tr>
<tr>
<td><strong>Total, Specialized security activities</strong></td>
<td><strong>237,912</strong></td>
<td><strong>240,912</strong></td>
</tr>
<tr>
<td>Office of Legacy Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Legacy management</td>
<td>137,674</td>
<td>137,674</td>
</tr>
<tr>
<td>Program direction</td>
<td>16,932</td>
<td>16,932</td>
</tr>
<tr>
<td><strong>Total, Office of Legacy Management</strong></td>
<td><strong>154,606</strong></td>
<td><strong>154,606</strong></td>
</tr>
<tr>
<td>Defense-related activities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defense related administrative support</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chief financial officer</td>
<td>48,484</td>
<td>48,484</td>
</tr>
<tr>
<td>Chief information officer</td>
<td>91,443</td>
<td>91,443</td>
</tr>
<tr>
<td>Project management oversight and assessments</td>
<td>3,073</td>
<td>3,073</td>
</tr>
<tr>
<td><strong>Total, Defense related administrative support</strong></td>
<td><strong>143,000</strong></td>
<td><strong>139,927</strong></td>
</tr>
<tr>
<td>Office of hearings and appeals</td>
<td>5,605</td>
<td>5,605</td>
</tr>
<tr>
<td><strong>Subtotal, Other defense activities</strong></td>
<td><strong>815,512</strong></td>
<td><strong>816,000</strong></td>
</tr>
<tr>
<td><strong>Total, Other Defense Activities</strong></td>
<td><strong>815,512</strong></td>
<td><strong>816,000</strong></td>
</tr>
<tr>
<td>Defense Nuclear Waste Disposal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yucca mountain and interim storage</td>
<td>30,000</td>
<td>30,000</td>
</tr>
<tr>
<td><strong>Total, Defense Nuclear Waste Disposal</strong></td>
<td><strong>30,000</strong></td>
<td><strong>30,000</strong></td>
</tr>
</tbody>
</table>
And the Senate agree to the same.
<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Armed Services, for consideration of the House bill and the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Thornberry</td>
<td></td>
</tr>
<tr>
<td>Mr. Wilson of South Carolina</td>
<td></td>
</tr>
<tr>
<td>Mr. LoBiondo</td>
<td></td>
</tr>
<tr>
<td>Mr. Bishop of Utah</td>
<td></td>
</tr>
<tr>
<td>Mr. Turner</td>
<td></td>
</tr>
<tr>
<td>Mr. Rogers of Alabama</td>
<td></td>
</tr>
<tr>
<td>Mr. Franks of Arizona</td>
<td></td>
</tr>
<tr>
<td>Managers on the part of the HOUSE</td>
<td>Managers on the part of the SENATE</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Mr. Shuster</td>
<td></td>
</tr>
<tr>
<td>Mr. Conaway</td>
<td></td>
</tr>
<tr>
<td>Mr. Lamborn</td>
<td></td>
</tr>
<tr>
<td>Mr. Wittman</td>
<td></td>
</tr>
<tr>
<td>Mr. Coffman</td>
<td></td>
</tr>
<tr>
<td>Mrs. Hartzler</td>
<td></td>
</tr>
<tr>
<td>Mr. Austin Scott of Georgia</td>
<td></td>
</tr>
<tr>
<td>Mr. Cook</td>
<td></td>
</tr>
</tbody>
</table>
### H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Stefanik</td>
<td></td>
</tr>
<tr>
<td>Mr. Knight</td>
<td></td>
</tr>
<tr>
<td>Mr. Bacon</td>
<td></td>
</tr>
</tbody>
</table>

...
<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Smith of Washington</td>
<td></td>
</tr>
<tr>
<td>Mr. Brady of Pennsylvania</td>
<td></td>
</tr>
<tr>
<td>Mrs. Davis of California</td>
<td></td>
</tr>
<tr>
<td>Mr. Langevin</td>
<td></td>
</tr>
<tr>
<td>Mr. Larsen of Washington</td>
<td></td>
</tr>
<tr>
<td>Mr. Cooper</td>
<td></td>
</tr>
<tr>
<td>Ms. Bordallo</td>
<td></td>
</tr>
<tr>
<td>Mr. Courtney</td>
<td></td>
</tr>
</tbody>
</table>
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Tsongas</td>
<td></td>
</tr>
<tr>
<td>Mr. Garamendi</td>
<td></td>
</tr>
<tr>
<td>Mr. Veasey</td>
<td></td>
</tr>
<tr>
<td>Mr. Gabbard</td>
<td></td>
</tr>
</tbody>
</table>
**H.R. 2810—Continued**

<table>
<thead>
<tr>
<th>Managers on the part of the House</th>
<th>Managers on the part of the Senate</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Permanent Select Committee on Intelligence, for consideration of matters within the jurisdiction of that committee under clause 11 of rule X:</td>
<td></td>
</tr>
</tbody>
</table>

Mr. Nunes

Mr. Stewart

[Signature block for Senate managers]
### H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on the Budget, for consideration of sec. 1262 of the House bill, and sec. 4 of the Senate amendment, and modifications committed to conference.</td>
<td></td>
</tr>
<tr>
<td>Bill Johnson</td>
<td></td>
</tr>
<tr>
<td>Mr. Johnson of Ohio</td>
<td></td>
</tr>
<tr>
<td>Jack Bergman</td>
<td></td>
</tr>
<tr>
<td>Mr. Bergman</td>
<td></td>
</tr>
</tbody>
</table>

...
**H.R. 2810—Continued**

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Education and the Workforce, for consideration of secs. 221, 551, 555, and 3509 of the House bill, and secs. 236, 551-53, 3116, 5508, and 6001 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Virginia Foxx</td>
<td></td>
</tr>
<tr>
<td>Ms. Foxx</td>
<td></td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Byrne</td>
<td></td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Scott of Virginia</td>
<td></td>
</tr>
</tbody>
</table>
**H.R. 2810—Continued**

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Energy and Commerce, for consideration of secs. 313, 314, 601, 723, 727, 729, 732, 3118, and 3122 of the House bill, and secs. 601, 701, 725, 732, 1089A, 1625, and 3114 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
</tbody>
</table>

- **Mr. Shimkus**

- **Mr. Barton**

- **Mr. Pallone**
**H.R. 2810—Continued**

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee of Financial Services, for consideration of sec. 862 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Andy Barr</td>
<td></td>
</tr>
<tr>
<td>Mr. Barr</td>
<td></td>
</tr>
<tr>
<td>Roger Williams</td>
<td></td>
</tr>
<tr>
<td>Mr. Williams</td>
<td></td>
</tr>
<tr>
<td>Maxine Waters (California)</td>
<td></td>
</tr>
</tbody>
</table>
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Foreign Affairs, for consideration of secs. 864, 1032, 1039, 1040, 1058, 1201, 1203-05, 1211, 1222, 1223, 1231, 1232, 1234, 1243, 1246, 1247, 1265, 1270A, 1272, 1276, 1278, 1280, 1301, 1302, 1521, 1522, 1687, 2841, and 3117 of the House bill, and secs. 111, 861, 867, 1011, 1203-05, 1212, 1213, 1231-33, 1241-45, 1250, 1261-63, 1270B, 1270C, 1282, 1283, 1301, 1302, 1531, and 165 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
</tbody>
</table>

Mr. Royce of California

Mr. Donovan

Mr. Engel
## H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on the Judiciary, for consideration of secs. 515, 1662, 1063, 1067, 1080, 1695, 2843, and 3510 of the House bill, and secs. 520A, 529, 1035, 1081, 1083, 1217, 1264, and 14013 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Goodlatte</td>
<td></td>
</tr>
<tr>
<td>Mr. Issa</td>
<td></td>
</tr>
</tbody>
</table>
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Natural Resources, for consideration of secs. 601, 1062, 1265, 2827, 2828, 2831, 2832, 2844, subtitle F of title XXVIII, and sec. 2863 of the House bill, and secs. 311, 338, 601, 1263, 1264, 2850, and 12801 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Westerman</td>
<td></td>
</tr>
<tr>
<td>Ms. Cheney</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Oversight and Government Reform, for consideration of secs. 323, 501, 801, 803, 859-860A, 873, and 1101-09 of the House bill, and secs. 218, 544, 557, 801, 812, 821, 822, 829, 852, 902, 931, 934, 938, 1045, 1093, 1094, 1101, 1102, 1104-06, 1111-13, 2821, 2822, 6005, 6012, 10804, 11023-25, and 11603 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Meadows</td>
<td></td>
</tr>
<tr>
<td>Mr. Ross</td>
<td></td>
</tr>
</tbody>
</table>
**H.R. 2810—Continued**

<table>
<thead>
<tr>
<th><strong>Managers on the part of the HOUSE</strong></th>
<th><strong>Managers on the part of the SENATE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Science, Space, and Technology, for consideration of sec. 223 of the House bill and secs. 897, 898, 1662-64, and 6002 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>[Signature] Mr. Smith of Texas</td>
<td></td>
</tr>
<tr>
<td>[Signature] Mr. Lies</td>
<td></td>
</tr>
<tr>
<td>[Signature] [Eddie Bernice Johnson of Texas]</td>
<td></td>
</tr>
</tbody>
</table>
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Small Business, for consideration of secs. 801, 860B, 867, 1701-04, 1711-13, 1721-23, 1731-37, and 1741 of the House bill, and secs. 854, 862, 897, 598, 899C, 10801, and 10802 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Chabot</td>
<td></td>
</tr>
<tr>
<td>Mr. Kelly of Mississippi</td>
<td></td>
</tr>
</tbody>
</table>
### H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Transportation and Infrastructure, for consideration of secs 122, 311, 546, 601, 1082, 1617, 1695, 3501, 3502, 3505, and 3507-10 of the House bill, and secs. 331, 601, 1048, 6002, 13501, 13502, 13508, 13513, 13607, and 14013 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Mr. Graves of Missouri</td>
<td></td>
</tr>
<tr>
<td>Mr. Hunter</td>
<td></td>
</tr>
<tr>
<td>Mrs. Bustos</td>
<td></td>
</tr>
</tbody>
</table>
### H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Veterans' Affairs, for consideration of secs. 572, 573, 576, 578, 1077, and 2841 of the House bill, and secs. 731, 1084, 1088, 1264, 11001, 11008, and 14004 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>[Signature]</td>
<td>[Signature]</td>
</tr>
<tr>
<td>Mr. Roe of Tennessee</td>
<td></td>
</tr>
<tr>
<td>[Signature]</td>
<td>[Signature]</td>
</tr>
<tr>
<td>Mr. Bilirakis</td>
<td></td>
</tr>
<tr>
<td>[Signature]</td>
<td>[Signature]</td>
</tr>
<tr>
<td>Mr. Walz</td>
<td></td>
</tr>
</tbody>
</table>
**H.R. 2810—Continued**

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Ways and Means, for consideration of sec. 701 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Tiberi</td>
<td></td>
</tr>
<tr>
<td>Mrs. Walorski</td>
<td></td>
</tr>
<tr>
<td>Mr. Neal</td>
<td></td>
</tr>
<tr>
<td>Managers on the part of the HOUSE</td>
<td>Managers on the part of the SENATE</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td></td>
<td>Mr. McCain</td>
</tr>
<tr>
<td></td>
<td>Mr. Inhofe</td>
</tr>
<tr>
<td></td>
<td>Mr. Wicker</td>
</tr>
<tr>
<td></td>
<td>Mrs. Fischer</td>
</tr>
<tr>
<td></td>
<td>Mr. Cotton</td>
</tr>
<tr>
<td></td>
<td>Mr. Rounds</td>
</tr>
<tr>
<td></td>
<td>Mrs. Ernst</td>
</tr>
<tr>
<td></td>
<td>Mr. Tillis</td>
</tr>
<tr>
<td>Managers on the part of the HOUSE</td>
<td>Managers on the part of the SENATE</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Mr. Sullivan</td>
<td>Mr. Sasse</td>
</tr>
<tr>
<td>Mr. Perdue</td>
<td>Mr. Strange</td>
</tr>
<tr>
<td>Mr. Cruz</td>
<td>Mr. Reed</td>
</tr>
<tr>
<td>Mr. Graham</td>
<td>Mr. Nelson</td>
</tr>
<tr>
<td>House Managers</td>
<td>Senate Managers</td>
</tr>
<tr>
<td>----------------</td>
<td>-----------------</td>
</tr>
<tr>
<td></td>
<td>Mrs. McCaskill</td>
</tr>
<tr>
<td></td>
<td>Mrs. Shaheen</td>
</tr>
<tr>
<td></td>
<td>Mr. Blumenthal</td>
</tr>
<tr>
<td></td>
<td>Mr. Donnelly</td>
</tr>
<tr>
<td></td>
<td>Ms. Hirono</td>
</tr>
<tr>
<td></td>
<td>Mr. Kaine</td>
</tr>
<tr>
<td></td>
<td>Mr. King</td>
</tr>
<tr>
<td>Managers on the part of the HOUSE</td>
<td>Managers on the part of the SENATE</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td></td>
<td>Mr. Heinrich</td>
</tr>
<tr>
<td></td>
<td>Ms. Warren</td>
</tr>
<tr>
<td></td>
<td>Mr. Peters</td>
</tr>
</tbody>
</table>
JOINT EXPLANATORY STATEMENT OF THE COMMITTEE OF
CONFERENCE

The managers on the part of the House and the Senate at the conference on the disagreeing votes of the two Houses on the amendment of the Senate to the bill (H.R 2810), to authorize appropriations for fiscal year 2018 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes, submit the following joint statement to the House and the Senate in explanation of the effect of the action agreed upon by the managers and recommended in the accompanying conference report:

The Senate amendment struck all of the House bill after the enacting clause and inserted a substitute text.

The House recedes from its disagreement to the amendment of the Senate with an amendment that is a substitute for the House bill and the Senate amendment. The differences between the House bill, the Senate amendment, and the substitute agreed to in conference are noted below, except for clerical corrections, conforming changes made necessary by agreements reached by the conferees, and minor drafting and clarifying changes.
Compliance with rules of the House of Representatives and Senate regarding earmarks and congressionally directed spending items

Pursuant to clause 9 of rule XXI of the Rules of the House of Representatives and Rule XLIV(3) of the Standing Rules of the Senate, neither this conference report nor the accompanying joint statement of managers contains any congressional earmarks, congressionally directed spending items, limited tax benefits, or limited tariff benefits, as defined in such rules.

Summary of discretionary authorizations and budget authority implication

The budget request for national defense discretionary programs within the jurisdiction of the Committees on Armed Services of the Senate and the House of Representatives for fiscal year 2018 was $665.7 billion. Of this amount, $579.3 billion was requested for base Department of Defense programs, $65.8 billion was requested for overseas contingency operations, $20.5 billion was requested for national security programs in the Department of Energy and the Defense Nuclear Facilities Safety Board, and $210.0 million for defense-related activities. The total request of $665.7 billion also includes the additional amounts from the November 2017 budget amendment.

The conference agreement would authorize $692.1 billion in fiscal year 2018, including $605.5 billion for base Department of Defense programs, $65.7 billion for overseas contingency operations, $20.6 billion for national security programs in the Department of Energy and the Defense Nuclear Facilities Safety Board, and $300.0 million for defense-related activities.

The two tables preceding the detailed program adjustments in Division D of the accompanying joint statement of managers summarize the discretionary authorizations in the agreement and the equivalent budget authority levels for fiscal year 2018 defense programs.

Budgetary effects of this Act (sec. 4)

The Senate amendment contained a provision (sec. 4) that would require that the budgetary effects of this Act be determined in accordance with the procedures established in the Statutory Pay-As-You-Go Act of 2010 (title I of Public Law 111-139).

The House bill contained no similar provision.

The House recedes.
DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

BUDGET ITEMS

Virginia-class submarine advanced procurement

The budget request included $1.9 billion in line item 5 of Shipbuilding and Conversion, Navy for Virginia-class submarine advance procurement.

The House bill would authorize an increase of $943.0 million above the request.

The Senate amendment would authorize an increase of $1.2 billion above the request.

The agreement authorizes an increase of $698.0 million above the request.

The conferees direct the Secretary of the Navy to use this increase for: (1) procurement of a third Virginia-class submarine in fiscal year 2020; (2) economic order quantity for the fiscal year 2019 through 2023 multiyear Virginia-class submarine procurement; or (3) to expand second and third tier contractors in the submarine industrial base to support planned increased production requirements.

If the Secretary pursues option (3), the Secretary shall notify the congressional defense committees within 30 days of obligating funds for such purpose of the: obligation date, contractor name or names, location, description of the shortfall to be addressed, actions to be undertaken, desired end state, usable end items to be procured, period of performance, dollar amount, projected associated savings including business case analysis if applicable, contract name, and contract number.

The conferees believe that utilizing greater economic order quantity procurement, procuring an additional submarine, or expanding the capabilities of the supplier base should lead to greater cost savings and improved efficiency as production increases to meet the Columbia-class schedule and higher requirement for attack submarines in the Navy’s latest Force Structure Assessment.

SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

Authorization of appropriations (sec. 101)
The House bill contained a provision (sec. 101) that would authorize the appropriations for procurement activities at the levels identified in section 4101 of division D of this Act. The Senate amendment contained an identical provision (sec. 101).

The conference agreement includes this provision.

**SUBTITLE B—ARMY PROGRAMS**

*Authority to expedite procurement of 7.62mm rifles (sec. 111)*

The Senate amendment contained a provision (sec. 10101) that would authorize the Secretary of the Army to expedite acquiring a commercially available off-the-shelf item, non-developmental item, or Government-off-the-shelf materiel solution for a 7.62mm rifle capability.

The House bill contained no similar provision.

The House recedes with an amendment that would authorize the Secretary of the Army to expedite procurement under full and open competition, to the maximum practicable, of up to 7,000 7.62mm rifles, ammunition, and related equipment given emerging threats. The House amendment would also require the Secretary of the Army to submit a report to the congressional defense committees before entering into a contract, should the Secretary of the Army decide to exercise existing sole source authority to procure up to 7,000 7.62mm rifles. Additionally, the House amendment stipulates that any contract awarded shall be awarded through a full and open competition for the next generation squad weapon program.

The conferees expect the Secretary of the Army to allow for sufficient time for the congressional defense committees to review the findings from the required report before entering into a contract for a 7.62mm rifle. Further, the conferees expect the Secretary of the Army, in consultation with the Chief of Staff of the Army, to develop options for accelerating the next generation squad weapon system given current and emerging threats.

*Limitation on availability of funds for Increment 2 of the Warfighter Information Network-Tactical program (sec. 112)*

The House bill contained a provision (sec. 111) that would require the Secretary of the Army to submit a report to the congressional defense committees by January 30, 2018, detailing potential options for the acceleration of procurement and fielding of the Warfighter Information Network-Tactical Increment 2 program.
The Senate amendment contained a provision (sec. 112) that would require the Secretary of the Army to report to the congressional defense committees detailing how the Army intends to implement the recommendations of the Director of Cost Assessment and Program Evaluation (CAPE) for the Army's Air-Land Mobile Tactical Communications and Data Network to include the Warfighter Information Network-Tactical (WIN-T) program. The provision would also prohibit the Secretary of the Army from obligating any funds available in Other Procurement, Army for the WIN-T, Increment 2 (Inc 2) program subject to the submission of the Army's report.

The House recedes with an amendment that would authorize not more than 50 percent of fiscal year 2018 funds to enter into, or to prepare to enter into, a contract until the Army submits a report detailing their tactical network modernization strategy to include reporting elements from both the House and Senate provisions. The amendment would also require the Army to include as part of this report detailed budget justification for this strategy.

The conferees are concerned about the continued suitability, effectiveness, security, and survivability of all aspects of the Army Air-Land Mobile Tactical Communications and Data Networks to include WIN-T given demonstrated threat capabilities of peer adversaries in electronic warfare attack, electronic reconnaissance, and massed fire strikes.

The conferees continue to encourage the Army to repair identified problems and to more carefully redefine its requirements for the tactical network. The conferees encourage the Army to leverage its new acquisition authorities to seek non-developmental technologies when practicable to repair and improve the legacy network. This effort is key given investments to date.

Limitation on availability of funds for upgrade of M113 vehicles (sec. 113)

The Senate amendment contained a provision (sec. 5102) that would require the Secretary of the Army to submit to the congressional defense committees a report setting forth the strategy of the Army for the upgrade of M113 vehicles before available funds are obligated or expended.

The House bill contained no similar provision.

The House recedes with an amendment that would authorize not more than 50 percent of available FY18 funds to be obligated or expended for the upgrade of Army M113 vehicles until the Secretary of the Army submits its report to the congressional defense committees.
SUBTITLE C—NAVY PROGRAMS

Aircraft carriers (sec. 121)

The House bill contained a provision (sec. 121) that would express the sense of Congress on matters related to aircraft carriers, require 12 operational aircraft carriers by September 2023, eliminate the requirement to conduct full ship shock trials on the USS Gerald R. Ford (CVN-78), and provide economic order quantity procurement authorities.

The Senate amendment contained a similar provision (sec. 125).

The Senate recedes with an amendment that would provide the Secretary of Defense with the ability to waive the requirement to conduct full ship shock trials on the USS Gerald R. Ford, adjust the cost limitation baseline for the future USS Enterprise (CVN-80) and follow-on aircraft carriers to $12.6 billion, and remove the authorities to use economic order quantity procurement.

The conferees recognize cost savings and industrial base efficiencies could be achieved through additional legislative authorities, such as accelerating the construction rate of aircraft carriers and providing economic order quantity procurement of components, during construction of Ford-class aircraft carriers and refueling and complex overhauls of Nimitz-class aircraft carriers.

Accordingly, the conferees direct the Secretary of the Navy to evaluate additional potential legislative authorities for these programs and, if appropriate, submit legislative proposals with the associated analysis, revised funding profiles and cost estimates as part of the President’s budget request for Fiscal Year 2019.

The conferees understand the current cost estimate for the Enterprise (CVN-80) is $12.6 billion, which is a $1.9 billion reduction relative to CVN-78 after accounting for inflation. The conferees believe additional cost savings are possible through economic order quantity procurement, "design for affordability" initiatives, Ford-class learning curve, CVN-80 repeating the design of CVN-79, production and engineering man hour reductions, and increased competition. The conferees encourage the Navy to explore these options to identify additional cost savings.

Icebreaker vessel (sec. 122)

The House bill contained provisions (sec. 122, 123, and 1012) that would authorize the Secretary of the Navy to act as a
general agent for the Secretary of the Department in which the Coast Guard is operating and enter into a contract for icebreaker vessels; prohibit funds for the Department of Defense from being used for the procurement of an icebreaker vessel; and amend section 2218 of title 10, United States Code, to authorize funds associated with the National Defense Sealift Fund for the construction of icebreaker vessels.

The Senate amendment contained a similar provision (sec. 1048).

The Senate recedes with an amendment that would authorize one polar-class heavy icebreaker vessel, prohibit funds for the Department of Defense from being used for the procurement of an icebreaker vessel other than this one polar-class heavy icebreaker vessel, clarify contracting authorities, and require a Comptroller General report.

The conferees recognize the national importance of recapitalizing the U.S. icebreaker fleet and the extraordinary circumstances that necessitated use of Department of Defense funding to procure the first polar-class heavy icebreaker, as partially provided in the Department of Defense Appropriations Act for Fiscal Year 2017. Accordingly, the conferees support the authorization of this icebreaker in this Act.

The conferees note the Undersecretary of Management in the Department of Homeland Security (DHS) serves as the Acquisition Decision Authority for the Polar Icebreaker Program and that this program is governed in accordance with DHS Acquisition Management Directive 102-01 and Instruction 102-01-001.

The conferees believe maintaining clear lines of authority, responsibility, accountability, and resources with the Secretary and Acquisition Decision Authority of the department in which the U.S. Coast Guard is operating are essential to delivering icebreakers on cost and schedule.

Accordingly, the conferees believe the Secretary of the Department of Homeland Security and the Undersecretary of Management in the DHS should be the officials provided with authorities and resources related to the Polar Icebreaker Program.

Therefore, the conferees expect subsequent icebreakers to be authorized by the congressional committees with jurisdiction over the Coast Guard and funded using Coast Guard appropriations.

Multiyear procurement authority for Arleigh Burke class destroyers (sec. 123)

The House bill contained a provision (sec. 125) that would authorize the Secretary of the Navy to enter into one or more
multiyear contracts for Arleigh Burke-class destroyers and associated systems, in accordance with section 2306b of title 10, United States Code. The provision would also include a limitation on funds associated with section 2435 of title 10, United States Code.

The Senate amendment contained a similar provision (sec. 122).

The House recedes with an amendment that would remove requirements related to contract award timing and the additional Arleigh Burke-class destroyer provided in section 125(a)(1) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92). The amendment would also prohibit contract modifications resulting in an increase of more than 10 percent to the original target price of a destroyer awarded under the authority provided by this section.

The conferees note this would be the fourth multiyear contract for the Arleigh Burke-class program. The Navy estimates that each of the previous three multiyear procurement contracts (fiscal years 1998-2001, 2002-2005, and 2013-2017) achieved savings of greater than $1.0 billion, as compared to annual procurements. For the fourth contract for fiscal years 2018-2022, the Navy is estimating savings of 9.3 percent, or in excess of $1.8 billion, for the multiyear procurement of 10 ships as compared to annual procurement contracts.

Multiyear procurement authority for Virginia class submarine program (sec. 124)

The House bill contained a provision (sec. 124) that would authorize the Secretary of the Navy to enter into one or more multiyear contracts for Virginia-class submarines, in accordance with section 2306b of title 10, United States Code. The provision would also include a limitation on funds associated with section 2435 of title 10, United States Code.

The Senate amendment contained a similar provision (sec. 121).

The House recedes with an amendment that would prohibit contract modifications resulting in an increase of more than 10 percent to the original target price of a submarine awarded under the authority provided by this section.

The conferees note this would be the fourth multiyear contract for the Virginia-class program. The Navy estimates that the previous three multiyear procurement contracts (fiscal years 2003-2008, 2009-2013, and 2014-2018) achieved savings of greater than 10 percent, as compared to annual procurements. For the fourth contract for fiscal years 2019-2023, the Navy is estimating savings of 14 percent, or in excess of $5.0 billion,
for the multiyear procurement of 10 ships as compared to annual procurement contracts.

Design and construction of the lead ship of the amphibious ship replacement designated LX(R) or amphibious transport dock designated LPD-30 (sec. 125)

The Senate amendment contained a provision (sec. 124) that would authorize the Secretary of the Navy to enter into and incrementally fund a contract for design and construction of the amphibious ship replacement designated LX(R) or the amphibious transport dock designated LPD-30.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Multiyear procurement authority for V-22 Osprey aircraft (sec. 126)

The House bill contained a provision (sec. 128) that would authorize the Secretary of the Navy to enter into multiyear contracts for V-22 procurement and an upgrade program for up to 7 years.

The Senate amendment contained a similar provision (sec. 123) that would authorize the Secretary to sign a multiyear contract for V-22, but only for a period of up to 5 years.

The Senate recedes.

The conferees note that authorizing multiyear contracts for 7 years represents a significant exception to the more common practice of 5-year multiyear contracts. This exception reflects the unique realities of the V-22 procurement program rather than a shift in congressional practice. Furthermore, the conferees expect the services to honor and fully fund their multiyear commitments in future fiscal year budget requests.

Extension of limitation on use of sole-source shipbuilding contracts for certain vessels (sec. 127)

The Senate amendment contained a provision (sec. 126) that would extend to include fiscal year 2018 the prohibition on funds from being used to enter into, or prepare to enter into, sole source contracts for one or more Joint High Speed Vessels (JHSV) or Expeditionary Fast Transports (EPF), unless the Secretary of the Navy submits to the congressional defense committees a certification and a report.

The House bill contained no similar provision.

The House recedes.
Limitation on availability of funds for the enhanced multi-mission parachute system (sec. 128)

The House bill contained a provision (sec. 129) that would prohibit the use of funds for the Enhanced Multi-Mission Parachute System (E-MMPS) until the Secretary of the Navy submits to the congressional defense committees a certification and report on the E-MMPS’ ability to meet Marine Corps operational needs and safety standards.

The Senate amendment contained a similar provision (sec. 127) but did not prohibit the use of funds for the E-MMPS program.

The Senate recedes with an amendment that would retain the requirement for certification and reporting described above but would only prohibit use of 20 percent of the funding authorized to be appropriated for the E-MMPS.

Report on Navy capacity to increase production of certain rotary wing aircraft (sec. 129)

The Senate amendment contained a provision (sec. 1074) that would require the Secretary of the Navy to submit a report to the congressional defense committees on the capacity of the United States Navy to increase production of anti-submarine warfare and combat search and rescue rotary wing aircraft.

The House bill contained no similar provision.

The House recedes.

**SUBTITLE D—AIR FORCE PROGRAMS**

Inventory requirement for Air Force fighter aircraft (sec. 131)

The Senate amendment contained a provision (sec. 131) that would require the Secretary of the Air Force to maintain a minimum total active inventory of 1,970 fighter aircraft and 1,145 primary mission fighter aircraft.

The House bill contained no similar provision.

The House recedes with an amendment that would add a sunset to the provision and remove subsection (c) Reports on Fighter Aircraft.

Prohibition on availability of funds for retirement of E-8 JSTARS aircraft (sec. 132)

The Senate amendment contained a provision (sec. 135) that would prohibit the obligation or expenditure of funds to retire,
or prepare to retire, any E-8 Joint Surveillance Target Attack Radar System aircraft.
   The House bill contained no similar provision.
   The House recedes.

Requirement for continuation of JSTARS aircraft recapitalization program (sec. 133)

   The Senate amendment contained a provision (sec. 134) that would require the Secretary of Defense to provide a report to Congress if the Secretary of the Air Force were to propose in a budget request to cancel or modify the E-8C Joint Surveillance Targeting and Reconnaissance System (JSTARS) recapitalization program as presented to Congress in May 2017.
   The House bill contained no similar provision.
   The House recedes with an amendment that would clarify certain elements of the required report.
   The conferees are concerned by the Air Force’s reassessment of its current, validated JSTARS recapitalization program. The acquisition program is currently in source selection and reconsideration at this late stage injects disruption and uncertainty into the process of updating and enhancing a vital combat capability that Congress has repeatedly urged the Air Force to accelerate. The conferees do not currently understand what has changed to refute the written and oral testimony the current Commander of Air Combat Command and the current Chief of Staff of the Air Force have given to Congress over the last two years.
   General Holmes, the current commander of Air Combat Command, testified in March 2015, before the House Armed Services Committee’s Tactical Air and Land subcommittee that “[b]ased on the results of the Airborne SAR/MTI [Synthetic Aperture Radar/Moving Target Indicator] JSTARS Mission Area AoA [Analysis of Alternatives] in 2011, the Air Force has begun a JSTARS Recapitalization (Recap) effort. The JSTARS Recap seeks to replace the legacy E-8C with affordable commercially available aircraft, reducing operation and sustainment costs by 27 percent compared to the E-8C. The new platform will reduce the logistics footprint and improve operational capability with an advanced ground surveillance radar and on-board battle management suite. JSTARS Recap will continue to provide a unique blend of on-board Battle Management Command and Control and ISR [intelligence capabilities that enable the central tenet of Air Forces doctrine ‘Centralized Control and Decentralized Execution.’] The capability to perform this dual mission at the tactical edge provides C2 mission assurance in a contested environment. The USAF is fully committed to the JSTARS mission.
The E-8C and JSTARS Recap acquisition are fully funded in the FYDP [Future Years Defense Program].”

Additionally, General Holmes testified in March 2016, to the Senate Armed Services Committee’s Airland subcommittee that “[w]e hope that our JSTARS recapitalization program can provide a model for recapitalizing the rest of what we’re doing now with the wide-body aircraft fleet and a way to bring the radar, the air-battle management, and an airframe together in a way that’s cheaper to be able to continue to do those missions.”

General Goldfein, the current Air Force Chief of Staff, testified in February 2016, before the House Armed Services Committee that “[t]he Chief of Staff of the Air Force went out to every combatant commander to re-validate individually the requirement for airborne battle management as a critical component of their war plans. That was validated across all the combatant commanders...[a]s the [former] air component commander for Central Command, I will tell you that I used that platform in a number of ways, in addition to what is traditionally considered, you know, airborne battle management of the air-ground fight. I used it in the maritime domain covering the Straits of Hormuz. So first and foremost, we validated that airborne battle management is a critical requirement from the combatant commanders and we need to move out on that. Now the challenge becomes a technology discussion, which is at what point do we transition and can we transition this to an unmanned platform of the future, versus a man[ned] platform. And the reality is that technology that we would need to put on an unmanned platform doesn't currently exist to get the same capability that we provide the combatant commanders today. It's just not miniaturized enough. It just can't give the same level of fidelity of the ground moving target indicator that the JSTARS does today. So the Air Force's position for two reasons. One, we don't have the technology to put it on a manned platform, and two, airborne battle management is a critical requirement. We need to push forward with a manned airborne platform. We have the funding in this budget to do that.”

The conferees look forward to hearing how the Air Force intends to provide the vitally important capabilities of airborne battle management, command and control, intelligence, surveillance and reconnaissance that the current E-8 JSTARS provides our combatant commanders. Until then, the conferees expect the Secretary of the Air Force to not take any actions that would adversely affect the JSTARS Recap program.

Limitation on selection of single contractor for C-130H avionics modernization program increment 2 (sec. 134)
The House bill contained a provision (sec. 132) that would prohibit the Department of the Air Force from selecting a single contractor for the C-130H Avionics Modernization Program Increment 2 until the Secretary of the Air Force certifies that every opportunity will be taken to make use of commercial-off-the-shelf technology solutions and non-developmental items and that excessively restrictive military specification standards were not used as criteria to restrict or eliminate fair and open competition.

The Senate amendment contained no similar provision.

The Senate recedes.

Limitation on availability of funds for EC-130H Compass Call recapitalization program (sec. 135)

The House bill contained a provision (sec. 133) that would prohibit the obligation and expenditure of funds for the EC-130H Compass Call recapitalization program until 30 days after the Under Secretary for Acquisition, Technology and Logistics certifies to the congressional defense committees that the Under Secretary has reviewed the acquisition strategy and has determined that it meets all applicable laws, guidelines and best practices.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would only limit the obligation of funds.

The conferees note that Congress supported the Air Force’s request in 2016 to re-host the primary mission equipment of the current EC-130H aircraft on a more operationally effective and survivable airborne platform to meet combatant commander requirements. The conferees continue to support that decision.

However, the conferees are concerned with the Air Force’s decision to contract with a third-party contractor who will perform both the selection of the aircraft as well as the integration of the re-host equipment. The Air Force will contract for all of the re-hosting effort through the 645th Aeronautical Systems Group, also known as Big Safari. While the conferees acknowledge that Big Safari has provided great value in the past and is an essential tool in providing rapid capability to the warfighter, they believe that the size and scope of the Compass Call re-host program exceeds what is appropriate for Big Safari.

Further, the conferees are concerned that the Air Force is increasingly using the unique and flexible authorities allowed within Big Safari in a manner that is not consistent with its key tenets. While the conferees believe that Big Safari is an efficient tool to integrate equipment on existing platforms, the
conferees believe that the selection of the airframe in the projected quantities is an inherently governmental function that should not have been outsourced to Big Safari or a third-party contractor.

Additionally, the conferees were unimpressed with Air Force’s assertion that the basis of the acquisition was an urgent and compelling justification, combined with a meager Compass Call recapitalization plan of one aircraft a year.

The conferees expect the Air Force to: (1) exercise better judgement in the future in using Big Safari program authorities; (2) pursue a full and open competition strategy for selecting contractor teams for future airframe modernization efforts; and (3) avoid utilizing selection of a third-party contractor to circumvent acquisition best practices.

Limitation on retirement of U-2 and RQ-4 aircraft (sec. 136)

The House bill contained a provision (sec. 1034) that would repeal section 133 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112-81) regarding limitation on retirement of U-2 aircraft and would prohibit the Department of Defense from retiring either the U-2 or RQ-4 aircraft until at least fiscal year 2024.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would condition replacement of either high-altitude intelligence, surveillance, and reconnaissance (ISR) aircraft by integrating into the baseline text of section 133 of the National Defense Authorization Act for Fiscal Year 2012 (P.L. 112-81) the same divestment criteria for the RQ-4 that currently applies to the U-2.

The conferees note that both aircraft are considered high-demand/low-density ISR capabilities that are essential for contributing to combatant commanders’ high-altitude ISR requirements and should remain in the Air Force inventory until a suitable replacement can be developed that: meets or exceeds current high-altitude ISR capabilities; does not result in a reduction of current high-altitude ISR capacity; and, would not result in increased operational and support costs unless the increased capability is justified by the Secretary of Defense’s analysis. Finally, the conferees direct the Secretary of the Air Force to provide the congressional defense committees by February 15, 2018, a 10-year aircraft, aircraft sub-system(s), and aircraft sensor modernization and sustainment plan for both the U-2 and the RQ-4.
Cost-benefit analysis of upgrades to MQ-9 Reaper aircraft (sec. 137)

The House bill contained a provision (sec. 134) that would require the Secretary of Defense, in consultation with the Secretary of the Air Force, to conduct a cost-benefit analysis that compares upgrading MQ-9 Reaper aircraft to a Block 5 configuration to procurement of MQ-9B aircraft instead.

The Senate amendment contained no similar provision.

The Senate recedes.

Plan for modernization of the radar for F-16 fighter aircraft of the National Guard (sec. 138)

The Senate amendment contained a provision (sec. 5101) that would direct the Secretary of the Air Force to develop, and provide a report on, a plan to modernize the radars of F-16 fighter aircraft of the National Guard.

The House bill contained no similar provision.

The House recedes.

Comptroller General review of Air Force fielding plan for HH-60 replacement programs (sec. 139)

The Senate amendment contained a provision (sec. 132) that would direct the Comptroller General of the United States to review the Air Force’s plan for fielding HH-60 helicopter replacement programs.

The House bill contained no similar provision.

The House recedes.

SUBTITLE E—DEFENSE-WIDE, JOINT, AND MULTISERVICE MATTERS

F-35 economic order quantity contracting authority (sec. 141)

The House bill contained a provision (sec. 141) that would authorize the Secretary of Defense to enter into contracts for economic order quantities of material and equipment for the F-35 Joint Strike Fighter program once the Secretary certifies the contract meets certain conditions.

The Senate amendment contained a similar provision (sec. 141) that would also require the completion of a cost analysis
performed by the Director of Cost Assessment and Program Evaluation (CAPE) prior to the authority being exercised.

The House recedes with an amendment that would allow CAPE until March 1, 2018 to complete their cost analysis.

The conferees believe a March 1, 2018 deadline allows sufficient time for CAPE to complete their analysis. However, should more time be needed, the conferees expect to receive an update on CAPE's preliminary findings in advance of a final report.

Authority for explosive ordnance disposal units to acquire new or emerging technologies and capabilities (sec. 142)

The Senate amendment contained a provision (sec. 142) that would permit the Secretary of Defense to provide Explosive Ordnance Disposal (EOD) units with the authority to acquire new or emerging EOD technologies and capabilities not listed in the Table of Allowance or Table of Equipment.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to consult with the military service chiefs prior to permitting the authority.

Requirement that certain aircraft and unmanned aerial vehicles use specified standard data link (sec. 143)

The House bill contained a provision (sec. 144) that would amend section 157 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112-239).

The Senate amendment contained no similar provision.

The Senate recedes.

Reinstatement of requirement to preserve certain C-5 aircraft; mobility capability and requirements study (sec. 144)

The House bill contained a provision (sec. 143) that would reinstate the requirement for the Secretary of the Air Force to continue to preserve certain C-5 aircraft in a storage condition that would allow a recall of retired aircraft to future service.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would limit the number of aircraft required to be kept in the requisite condition, remove the condition that the aircraft are kept in a flyable condition and add a sunset to the provision 30 days after the congressional defense committees receive the Mobility Capability Requirements Study due to be completed 30 September 2018 as outlined on p.32 of House report accompanying H.R. 2810

**LEGISLATIVE PROVISIONS NOT ADOPTED**

**Limitation on availability of funds for Arleigh Burke class destroyer**

The House bill contained a provision (sec. 126) that would limit the obligation of certain funds to procure new air and missile defense radars for Arleigh Burke class destroyers unless the radars are AN/SPY-6(V) radar modular assembly (RMA) based.

The Senate amendment contained no similar provision.

The House recedes.

**Extensions of authorities relating to construction of certain vessels**

The House bill contained a provision (sec. 127) that would extend incremental funding authorities for Ford-class aircraft carriers and LHA replacement ships.

The Senate amendment contained no similar provision.

The House recedes.

**Streamlining acquisition of intercontinental ballistic missile security capability**

The House bill contained a provision (sec. 131) that would authorize the Secretary of Defense to waive any provision of law requiring the use of competitive procedures for the procurement of a UH-1N helicopter replacement and enter into a contract for the procurement on a sole-source basis.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the Secretary of the Air Force submitted a report to Congress on September 25, 2014, that stated the UH-1N was not effective in accomplishing its assigned missions. The conferees also note that on March 2, 2016, at a hearing before the Committee on Armed Services of the House of Representatives, the Commander of Air Force Global Strike Command stated, “We will not meet the emergency security response with the present helicopter.” Finally, the conferees note that at a hearing before the Committee on Armed Services of the Senate, the Commander of the United States Strategic Command stated, “We ought to be able to go out and buy a helicopter and put it in the hands of people who need it. And we should be able to do that quickly.”
The conferees note that the Air Force has the authority to procure helicopters under an existing U.S. Army multi-year procurement contract under the Economy Act of 1932 (31 U.S.C. 1535 and 1536). The conferees have previously urged the Secretary of the Air Force to consider using this authority as the most prudent method to rapidly field the necessary capability, but the Department of Defense and the Air Force have said that, by taking certain mitigating steps, there would be time to implement an acquisition strategy for replacing the UH-1Ns using competition.

The Air Force is executing that competition strategy, has received bids, and is currently in the source selection process, despite an additional delay caused by the decision of the Air Force to re-issue the draft request in April of 2017. The conferees: (1) urge the Air Force to examine approaches to expedite the UH-1N replacement program, and to make sure there is no delay in awarding a contract award to begin this modernization program as soon as possible to meet urgent security needs; (2) expect that the Air Force will maintain the current schedule and have this program under contract in fiscal year 2018 as the acting Under Secretary of Defense for Acquisition, Technology and Logistics certified to the congressional defense committees on February 8, 2017; and (3) direct the Secretary of the Air Force to notify the congressional defense committees promptly should the Secretary discover that there is likely to be any delay beyond the current schedule. Such notification shall include options for changing the acquisition program to enable the Air Force to meet the previous schedule, including options that may require a legislative solution.

Authority to increase primary aircraft authorization of Air Force and Air National Guard A-10 aircraft units for purposes of facilitating A-10 conversion

The Senate amendment contained a provision (sec. 133) that would authorize the Secretary of the Air Force to increase the primary aircraft authorization of the Air Force Reserve or Air National Guard A-10 units to 24 aircraft to facilitate a unit conversion.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the Secretary of the Air Force currently has the authority prescribed in the Senate provision and thus no further legislation is required.
Increase in amounts for enhancing intelligence, surveillance, and reconnaissance capability

The House bill contained a provision (sec. 135) that included an increase of $23.1 million in line number 56 of aircraft procurement, Air Force, for the E-8. The provision would provide as an offset a decrease of $23.1 million in line number 50 of aircraft procurement, Air Force, for the OC-135B. The Senate amendment contained no similar provision.

The House recedes.

Limitation on demilitarization of certain cluster munitions

The House bill contained a provision (sec. 142) that would prohibit the Secretary of Defense from eliminating cluster munitions from the Department of Defense (DOD) inventory pending a certification. Under a Memorandum of the Secretary of Defense, dated June 19, 2008, stockpiles considered to be non-compliant were to be eliminated from the inventory after January 1, 2019. The Secretary of Defense would have to certify that the Department retains sufficient inventory levels of operationally suitable cluster munitions that comply with the Department’s current policy, and meets at least 75 percent of the U.S. combatant commands operational requirements across the full range of military operational environments.

The Senate amendment contained no similar provision.

The House recedes.

The conferees believe, and Combatant Commanders have testified, that cluster munitions provide the military services with an effective capability to engage area targets, including massed formations of enemy forces. The conferees understand that the Secretary of Defense, through the Joint Staff, may soon adjust the Department’s current policy, established in the 2008 Memorandum, to a policy that would prevent the DOD from removing non-compliant cluster munitions from active inventories and demilitarized only after their capabilities have been replaced by sufficient quantities of policy-compliant cluster munitions. The conferees believe that since the 2008 policy memorandum was signed, the global security environment has changed, and that several years of budgets have under-invested in replacement or policy-compliant cluster munition systems. Absent waivers, the previous policy had the potential of depriving Combatant Commanders of the best available options in future conflicts. The conferees expect that any changes to the policy related to cluster munitions will be made in consultation with the congressional defense committees, and note that the conferees reserve the right to transition the requirement to retain
sufficient levels of policy compliant cluster munitions into statute in future legislative actions, if necessary.

Littoral Combat Ship

The Senate amendment contained a provision (sec. 14015) that would increase the amount authorized for the Littoral Combat Ship program by $600.0 million and increase the reduction of fuel savings in section 4301 by $600.0 million.

The House bill contained no similar provision.

The Senate recedes.

**TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

**SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS**

Authorization of appropriations (sec. 201)

The House bill contained a provision (sec. 201) that would authorize appropriations for research, development, test, and evaluation at the levels identified in section 4201 of division D of this Act.

The Senate amendment contained a similar provision (sec. 201).

The Senate recedes.

**SUBTITLE B—PROGRAM REQUIREMENTS, RESTRICTIONS, AND LIMITATIONS**

Cost controls for presidential aircraft recapitalization program (sec. 211)

The House bill contained a provision (sec. 211) that would establish cost controls for the Presidential Aircraft Recapitalization program.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would change the version of the system requirements document the program requirements are fixed to and give the Chief of Staff of the Air Force the authority to make adjustments to the capability requirements, subject to certain limitations, vice the Secretary of the Air Force.
**Capital investment authority (sec. 212)**

The House bill contained a provision (sec. 212) that would amend section 2208(k)(2) of title 10, United States Code, to raise the limit on in-house capital purchases using defense working capital funds from $250,000 to $500,000.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would restrict the limit increase to a major range and test facility installation or a science and technology reinvention laboratory, but maintains the $250,000 limit for other types of facilities utilizing this authority.

**Prizes for advanced technology achievements (sec. 213)**

The House bill contained a provision (sec. 213) that would amend section 2374a of title 10, United States Code, to make permanent the Secretary of Defense’s authority to award prizes for advanced technology achievements, to allow for the award of non-monetary awards, and to authorize the acceptance of non-monetary items from other parts of the Federal Government, from State government, and from non-governmental sources.

The Senate amendment contained a similar provision (sec. 214) that would amend section 2374a of title 10, United States Code, which authorizes the defense research enterprise to carry out programs to award prizes in recognition of outstanding achievements in basic, advanced, and applied research, technology development, and prototype development that have the potential for application to the performance of the military missions of the Department of Defense (DOD). The provision would also authorize the Department to accept funds from the private sector to help fund prize awards and reduce the overall cost of prize competitions.

The House recedes with technical amendments to clarify several aspects of the new authority for non-monetary awards.

**Joint Hypersonics Transition Office (sec. 214)**

The House bill contained a provision (sec. 215) that would re-designate the “Joint Technology Office on Hypersonics” as the “Joint Hypersonics Transition Office”, with the responsibility to coordinate and integrate programs, ensure coordination of current and future programs of the Department of Defense on hypersonics, and approve demonstrations.

The Senate amendment contained a similar provision (sec. 235) that would express the sense of Congress that the Department of Defense should expedite testing, evaluation, and
acquisition of hypersonic weapon systems to meet the stated needs of the warfighter; that the United States cannot afford to lose its advantage over foreign countries in developing hypersonic weapons; and that the Department of Defense should focus on the next generation of weapon systems such as hypersonics.

The Senate recedes with an amendment that would expand the stated responsibilities of the newly designated office.

Department of Defense directed energy weapon system prototyping and demonstration program (sec. 215)

The Senate amendment contained a provision (sec. 219) that would designate the Under Secretary of Defense for Research and Engineering as the official with principal responsibility for development and demonstration of directed energy weapons, pursuant to section 219(a)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328). The provision would also authorize funds to be used exclusively for high energy laser and high power microwave prototyping and demonstrations, but withhold 50 percent of those funds until the Under Secretary develops and submits to Congress a strategic plan.

The House bill contained no similar provision.

The Senate recedes with an amendment that would make technical, clarifying changes to the provision.

Appropriate use of authority for prototype projects (sec. 216)

The House bill contained a provision (sec. 225) that would amend Section 2371b(d)(1)(A) of title 10, United States Code by allowing nonprofit research institutions to enter into transactions with the Department of Defense for prototype projects.

The Senate amendment contained no similar provision.

The Senate recedes.

Mechanisms for expedited access to technical talent and expertise at academic institutions to support Department of Defense missions (sec. 217)

The Senate amendment contained a provision (sec. 211) that would give the Secretary of Defense the authority to establish one or more multi-institution task order contracts, consortia, cooperative agreements, or other arrangements with universities that do not have similar existing constructs to facilitate expedited access to university technical expertise in support of
Department of Defense mission areas, such as cybersecurity, explosives detection, modeling and simulation, microelectronics, unmanned systems, advanced materials, machine learning, and myriad others.

The House bill contained no similar provision.

The House recedes with an amendment that would make technical clarification in the authorities provided in this provision.

Modification of laboratory quality enhancement program (sec. 218)

The Senate amendment contained a provision (sec. 213) that would modify the Laboratory Quality Enhancement Program established in section 211 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328). The recommended provision would provide the clarifications necessary to proceed with implementation as envisioned in the original statute. The recommended provision would also add some new responsibilities for the panels created in the original statute and establish their relationship to the Under Secretary of Defense for Research and Engineering, established in section 901 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).

The House bill contained no similar provision.

The House recedes with an amendment that would specify that the Under Secretary shall consult and coordinate with appropriate departments, agencies, and entities in carrying out certain authorities.

Reauthorization of Department of Defense Established Program to Stimulate Competitive Research (sec. 219)

The Senate amendment contained a provision (sec. 5201) that would amend subsections (b), (c), and (d) of section 257 of the National Defense Authorization Act for Fiscal Year 1995 (Public Law 103–337; 10 U.S.C. 2358 note).

The House bill contained no similar provision.

The House recedes with a technical amendment.

Codification and enhancement of authorities to provide funds for defense laboratories for research and development of technologies for military missions (sec. 220)

The Senate amendment contained a provision (sec. 10203) that would amend Chapter 139 of title 10, United States Code, to codify and enhance the research authorities of the defense

The House bill contained no similar provision.

The House recedes with a technical, clarifying amendment.

Expansion of definition of competitive procedures to include competitive selection for award of science and technology proposals (sec. 221)

The Senate amendment contained a provision (sec. 215) that would amend section 2302 of title 10, United States Code, to expand the definition of competitive procedures to include research and development proposals.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify and specify the types of proposals eligible for competitive procedures.

The conferees note that the amended language in the final provision is meant to include all activities that comprise budget activities 1 through 4 (i.e. 6.1-6.4).

Inclusion of modeling and simulation in test and evaluation activities for purposes of planning and budget certification (sec. 222)

The Senate amendment contained a provision (sec. 216) that would amend section 196 of title 10, United States Code, to include modeling and simulation activities in the test and evaluation strategic plan and proposed test and evaluation budgets.

The House bill contained no similar provision.

The House recedes.

Limitation on availability of funds for F-35 Joint Strike Fighter Follow-On Modernization (sec. 223)

The Senate amendment contained a provision (sec. 221) that would limit the funds available for the F-35 Joint Strike Fighter Follow-On Modernization (FOM) program until the Secretary of Defense submits the report containing the basic elements of an acquisition program baseline for Block 4 modernization as required by section 224 of the National Defense Authorization Act (NDAA) for Fiscal Year 2017 (Public Law 114-238).

The House bill contained no similar amendment.
The House recedes with an amendment that would reduce the limitation to seventy-five percent of the funds authorized to be appropriated for F-35 FOM and a clarification that the limitations included in this provision and in section 224 of the NDAA for Fiscal Year 2017 shall not be construed to limit or restrict funding necessary to develop, certify, or deliver F-35A dual capable aircraft.

**Improvement of update process for populating mission data files used in advanced combat aircraft (sec. 224)**

The Senate amendment contained a provision (sec. 222) that would require the Department of Defense to refine the process of updating mission data files used in advanced combat aircraft so that they may be updated more quickly.

The House bill contained no similar provision.

The House recedes.

**Support for national security innovation and entrepreneurial education (sec. 225)**

The House bill contained a provision (sec. 222) that would authorize the Secretary of Defense to establish a Hacking for Defense program under which the Secretary may obligate or expend up to $15,000,000 to support university-based entrepreneurial education programs, including: (A) materials to recruit veterans for such programs; (B) model curriculum for such programs; (C) training materials for such programs; and (D) best practices for the conduct of such programs.

The Senate amendment contained a similar provision (sec. 10201) that would authorize the Secretary of Defense to support national security innovation and entrepreneurial education programs. The provision would also authorize the Secretary to develop and maintain metrics to assess these activities and ensure that any recipient of a small business award has the option to participate in training under this program.

The House recedes with an amendment that would clarify the existing Department of Defense activities with which the Secretary of Defense should consider coordinating and partnering in executing the activities of this program.

The conferees recognize that the ability of the Department of Defense to respond to evolving national security challenges would benefit by a workforce that is increasingly exposed to, and has an understanding of, modern problem-solving techniques and innovative methodologies. The conferees also believe that by presenting national security problems to universities and education centers, increasingly diverse stakeholder
participation will aid in the rapid development of solutions to national security challenges and improve Department of Defense recruitment of young technologists and engineers with critical skill sets, including cyber capabilities. These sorts of programs may also be useful in providing a unique pathway for veterans, federal employees, and military personnel to leverage their training, experience, and expertise to solve emerging national security challenges while learning cutting-edge business innovation methodologies.

Limitation on cancellation of designation Executive Agent for a certain Defense Production Act program (sec. 226)

The Senate amendment contained a provision (sec. 14006) that would require that the Secretary of the Air Force to continue serving as the Department of Defense Executive Agent for the Defense Production Act Programs.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to complete a review and assessment of the Defense Production Act Title III program and brief the appropriate committees of jurisdiction. The amendment would also establish that the Secretary of Defense shall not change the assigned Department of Defense Executive Agent for the program prior to briefing the appropriate committees of jurisdiction.

SUBTITLE C - REPORTS AND OTHER MATTERS

Columbia-class program accountability matrices (sec. 231)

The House bill contained a provision (sec. 214) that would deem certain Columbia-class ballistic missile submarine components as critical technologies.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require submittal and periodic updates of matrices on Columbia-class cost, design and construction goals. The Comptroller General of the United States would be required to review and assess each periodic update. The amendment would also repeal section 131 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92).

Review of barriers to innovation in research and engineering activities of the Department of Defense (sec. 232)
The Senate amendment contained a provision (sec. 220) that would require the establishment of a process under which the Under Secretary of Defense for Research and Engineering would review and modify Department of Defense regulations that would adversely affect the innovative capacity of the DOD.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to provide an annual report to the congressional defense committees, developed in coordination with relevant Under Secretaries and Service Secretaries, describing specific impediments to innovation and methods by which to address such impediments. The report shall also articulate the process for review of directives, rules, regulations, and other policies for their potential to adversely affect the ability of the research and engineering enterprise of the Department of Defense to execute its designated missions.

Pilot program to improve incentives for technology transfer from Department of Defense laboratories (sec. 233)

The House bill contained a provision (sec. 223) that would require the Secretary of Defense, in coordination with the Secretary of Energy, to conduct a pilot program among defense laboratories (as defined in section 2199 of title 10, United States Code), national laboratories (as defined in section 188(f) of title 10, United States Code), and private entities to facilitate the licensure, transfer, and commercialization of innovative technologies.

The Senate amendment contained a similar provision (sec. 5202) that would require the Secretary of Defense to establish a pilot program to assess the feasibility and advisability of distributing royalties and other payments to the inventors or co-inventors of technologies whose rights are directly assigned to the United States. The pilot program under this section would terminate five years after the date of the enactment of this Act.

The House recedes.

The conferees are aware that questions have been raised regarding the transfer of some technology developed by the national laboratories when using Department of Defense funding. The conferees therefore direct the Administrator for Nuclear Security and the Secretary of Defense to provide a briefing to the Armed Services Committees of the Senate and House of Representatives no later than January 30, 2018. This briefing should address plans to improve opportunities for technology transfer with regard to defense technology that was developed by the nuclear security laboratories for the Department of Defense
Competitive acquisition plan for low probability of detection data link networks (sec. 234)

The Senate amendment contained a provision (sec. 231) that would require the Under Secretary of Defense for Acquisition, Technology and Logistics (USD AT&L) (or its successor) and the Vice Chairman of the Joint Chiefs of Staff (VCJCS) to provide a plan for a competitive acquisition process to procure a secure, low probability of detection data link network capability.

The House bill contained no similar provision.

The House recedes with an amendment that would specify that the USD AT&L and VCJCS provide the defense committees potential acquisition strategies and would change the limitation of funds from the offices of the Secretary of Defense and Chairman of the Joint Chiefs of Staff to the offices of the Secretary of the Air Force and the Secretary of the Navy.

Clarification of selection dates for pilot program for the enhancement of the research, development, test, and evaluation centers of the Department of Defense (sec. 235)

The Senate amendment contained a provision (sec. 232) that would make clarifications and edits to the laboratory management demonstration program established in section 233 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328). The provision would clarify the date limitations for consideration of an application to join the pilot program, and it would also clarify that any proposals pursuant to the pilot program shall be submitted to the appropriate assistant secretary.

The House bill contained no similar provision.

The House recedes.

Requirement for a plan to build a prototype for a new ground combat vehicle for the Army (sec. 236)

The Senate amendment contained a provision (sec. 233) that would require the Secretary of the Army to submit a report to the congressional defense committees on a plan to build a prototype for a new ground combat vehicle within 90 days of the enactment of this Act.

The House bill contained no similar provision.
The House recedes with an amendment that would require the Secretary of the Army to submit its plan not later that February 1, 2018.

The conferees encourage the Secretary of the Army to use all available acquisition authorities to the fullest extent possible to plan to build a prototype for a new ground combat vehicle. The conferees are interested in how the Army intends to exploit the latest enabling component technologies that have the potential to dramatically change basic combat vehicle design and improve lethality, protection, mobility, range, and sustainment. The required report should include an analysis of capabilities of the most advanced foreign ground combat vehicles and whether any have characteristics that should inform the development of the Army's prototype vehicle, including whether any U.S. allies or partners have advanced capabilities that could be directly incorporated in the prototype. Such technologies would include vehicle active protection systems with hard and soft kill capabilities, reactive armor, composite armor, thermal signature reduction, noise reduction, fuel cell propulsion, opposed-piston engines, 32 speed transmissions, suspension, power generation, voltage management, 3rd generation forward looking infrared sights, integrated hostile fire detection, manned-unmanned teaming, automatic loaders, munitions, and cannons.

Plan for successfully fielding the Integrated Air and Missile Defense Battle Command System (sec. 237)

The Senate amendment contained a provision (sec. 234) that would require the Secretary of the Army to submit to the congressional defense committees a plan to successfully field a suitable, survivable, and effective Integrated Air and Missile Defense Battle Command System (IBCS) program. The committee directs the Secretary to submit this plan within 180 days of the enactment of this Act. Furthermore, none of the funds authorized may be obligated until receipt of the Army's report.

The House Bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of the Army to submit its plan not later than February 1, 2018. The amendment also stipulates that not more than 50 percent of the funds authorized may be obligated by the Secretary of the Army.

The conferees are concerned that this developmental program is not meeting schedule and performance objectives after having become a program of record over 7 years ago. The conferees are aware that the Army has delayed a Milestone C decision for limited production for 4 years.
Given that the Army has already expended over $2.1 billion on this program with the expected requirement to spend much more, the conferees are concerned current software will soon become obsolete before a functional IBCS is fielded.

**LEGISLATIVE PROVISIONS NOT ADOPTED**

*Codification and enhancement of authorities to provide funds for defense laboratories for research and development of technologies for military missions*

The Senate amendment contained a provision (sec. 212) that would amend chapter 139 of title 10, United States Code, to codify the research authorities of the defense laboratories originally established in section 219 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110-417) and improved and made permanent in subsequent legislation.

The Senate amendment also contained a provision (sec. 10202) that would remove force and effect from section 212.

The Senate recedes.

The conferees note that the codification of these authorities is contained elsewhere in this Act.

*Hypersonic airbreathing weapons capabilities*

The House bill contained a provision (sec. 216) that would allow the Secretary of Defense to transfer oversight and management of the Hypersonic Airbreathing Weapons Concept from the Defense Advanced Research Projects Agency to an entity of the Air Force.

The Senate amendment contained no similar provision.

The House recedes.

*Limitation on availability of funds for MQ-25 unmanned air system*

The House bill contained a provision (sec. 217) that would limit funding for the MQ-25 program until certain conditions are met.

The Senate amendment contained no similar provision.

The House recedes.

*Differentiation of research and development activities from service activities*
The Senate amendment contained a provision (sec. 217) that would differentiate between research and development activities and service activities through the establishment of clear definitions for each activity.

The House bill contained no similar provision.

The Senate recedes.

Limitation on availability of funds for contract writing systems

The Senate amendment contained no provision (sec. 218) that would limit the availability of funds for contract writing systems.

The Senate recedes.

The conferees remain concerned that the military services continue to procure individual, functionally stove-piped business systems when there appear to be efficiencies and cost-savings that might be gained by consolidating acquisitions around areas with similar requirements. The conferees are encouraged by the Department of Defense’s efforts to take a portfolio approach to contract-writing systems. The conferees recognize the challenge in reducing and consolidating the overall numbers of systems based on the lack of sustained focus on overall information technology modernization, but the burgeoning focus on data transparency vice systems integration indicates that this problem may be surmountable over time as current practices take hold within the Department.

Based on the progress in this area, the conferees encourage the Department to initiate or accelerate such efforts in other areas, to include personnel and pay, financial management, and enterprise resource programs. In addition to a portfolio approach, the conferees believe that these initiatives could be accelerated by leveraging the use of fixed-price contracting, pursuing the use of commercial-off-the-shelf solutions that minimize customization, and more frequent delivery of increments.

The conferees also encourage the Department to leverage the pilot program for agile and iterative development for software systems elsewhere in this Act as a means to test out some of the concepts, and to serve as a pathfinder for other programs.

Strategy for use of virtual training technology

The House bill contained a provision (sec. 219) that would require the Secretary of Defense to direct the head of each military department to establish a comprehensive strategy to determine what capability gaps exist in the department that can
be rectified with virtual training; to review the virtual training possibilities for this gap to determine what virtual training would rectify this gap most efficiently; and to determine what acquisitions would need to be made to acquire the correct amount of technology to achieve desired goals.

The Senate amendment contained no similar provision.

The House recedes.

Increase in funding for electronics and electronic devices of the Army

The House bill contained a provision (sec. 220) that would increase funding for Applied Research, Electronics and Electronic Devices.

The Senate amendment contained no similar provision.

The House recedes.

Increase in funding for Historically Black Colleges and Universities and Minority Institutions

The House bill contained a provision (sec. 221) that would authorize funds to be appropriated in section 4201 for research, development, test, and evaluation, Defense-wide, as specified in the corresponding funding table in section 4201, for Basic Research, Historically Black Colleges and Universities/Minority Institutions, Line 006, to increase by $4,135,000.

The Senate amendment contained a similar provision (sec. 236) that would authorize funds to be appropriated in Research, Development, Test, and Evaluation, Defense-wide, PE 61228D8Z, section 4201, for Basic Research, Historically Black Colleges and Universities/Minority Institutions, Line 006, to increase by $12,000,000.

The House recedes.

The Senate recedes.

The conferees note that historically black colleges and universities (HBCUs) and minority-serving institutions (MSI) play a vital role in educating diverse and underrepresented students in areas of national security need, particularly in areas of science, technology, engineering, and mathematics. For many years, these institutions have been collaborating with the Department of Defense in research and development efforts that contribute to the defense readiness and national security of the nation. The conferees have supported both greater participation among HBCU/MSI, as well as increased opportunities within the Department of Defense to find means to leverage that expertise more broadly, such as through internships, outside review committees and advisory groups.
Furthermore, the conferees recognize that these institutions are vital in developing the next generation of scientists and engineers who will help lead the Department of Defense in addressing high-priority national security challenges. It is important to further engage HBCUs and minority-serving institutions in university research and innovation, especially in prioritizing software development and cyber security by utilizing existing Department of Defense labs, and collaborating with existing programs that help attract candidates, including programs like the Air Force Minority Leaders Programs, which recruit Americans from diverse background to serve their country through service in our Nation's military.

The conferees also note that although these provisions are not adopted, the increase in funds authorized by them is still included in the funding tables in Section 4201.

STEM(MM) jobs action plan

The House bill contained a provision (sec. 224) that would direct the Secretary of Defense, in conjunction with the Secretary of each military department to perform an assessment of the science, technology, engineering, math, maintenance, and manufacturing (STEM(MM)) workforce for organizations within the Department of Defense, including the numbers and types of positions and the expectations for losses due to retirements and voluntary departures; identify the types and quantities of STEM(MM) jobs needed to support future mission work; determine the shortfall between lost STEM(MM) personnel and future requirements; analyze and explain the appropriateness and impact of using reimbursable and working capital fund dollars for new STEM(MM) hires; identify a plan of action to address the STEM(MM) jobs gap, including hiring strategies and timelines for replacement of STEM(MM) employees; and deliver to Congress, not later than December 31, 2018, a report specifying such plan of action.

The Senate amendment contained no similar provision.

The conferees note that jobs in STEM(MM) make up a significant portion of the workforce of the Department of Defense. Many of these jobs exist within the organic industrial base, research, development, and engineering centers, life-cycle management commands, and logistics centers of the Department, and are thus vital to the mission of all of the military services. Because the demographics of personnel of the Department indicate that many of the STEM(MM) personnel of the Department will be eligible to retire in the next few years, the
conferees believe the Department should be taking decisive, proactive action to ensure there is sufficient personnel for these areas, and that any further skills and knowledge gap does not lead to a serious readiness gap.

Jet noise reduction program of the Navy

The House bill contained a provision (sec. 226) that would authorize the Secretary of the Navy to carry out a jet noise reduction program.

The Senate amendment contained no similar provision.

The House recedes.

Process for coordination of studies and analysis research of the Department of Defense

The House bill contained a provision (sec. 227) that would require the Secretary of Defense to implement a Department of Defense-wide process under which the heads of the military departments and Defense Agencies responsible for managing requests for studies and analysis research would be required to coordinate annual research requests and ongoing research efforts to minimize duplication and reduce costs.

The Senate amendment contained no similar provision.

The House recedes.

Very-low profile hardware to interact with the Mobile User Objective Systems and other systems

The Senate amendment contained a provision (sec. 10205) that would increase funding for the Joint Tactical Information Distribution System. The funding increase would also allow the Secretary of Defense to study and demonstrate very-low profile hardware, such as antennae and chipsets, with software, encryption, and cyber and network management tools necessary to interact with the Mobile User Objective System (MUOS) and other systems that are considered part of the Internet of Things to provide command, control, communications, and cyber restoral capabilities.

The House bill had no similar provision.

The Senate recedes.

**TITLE III—OPERATION AND MAINTENANCE**

**SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS**
Authorization of appropriations (sec. 301)

The Senate amendment contained a provision (sec. 301) that would authorize the appropriations for operation and maintenance activities at the levels identified in section 4301 of division D of this Act.

The House bill contained a similar provision (sec. 301).

The House recedes.

SUBTITLE B—ENERGY AND ENVIRONMENT

Military Aviation and Installation Assurance Siting Clearinghouse (sec. 311)

The House bill contained a provision (sec. 311) that would amend chapter 7 of title 10, United States Code, to ensure the proper assessment of energy projects by the Department of Defense’s Siting Clearinghouse.

The Senate amendment contained a similar provision (sec. 331).

The House recedes with multiple technical amendments.

Energy performance goals and master plan (sec. 312)

The House bill contained a provision (sec. 312) that would amend section 2911 of title 10, United States Code, to include goals to reduce the future demand and the requirements for the use of energy, to enhance energy resilience to ensure the Department has the ability to prepare for and recover from energy disruptions that impact mission assurance on military installations, and to leverage third-party financing to address installation energy needs.

The Senate amendment contained an identical provision (sec. 342).

The conference agreement includes this provision.

Payment to Environmental Protection Agency of stipulated penalty in connection with Umatilla Chemical Depot, Oregon (sec. 313)

The House bill contained a provision (sec. 313) that would authorize the Secretary of the Army to transfer funds to the Hazardous Substance Superfund to satisfy a penalty assessed by the Environmental Protection Agency against the Umatilla Chemical Depot, Oregon, under a Federal Facility Agreement entered into by the Army and the Environmental Protection Agency in 1989.
The Senate amendment contained no similar provision.  
The Senate recedes.  
The conferees encourage the Army to take all practicable measures to support the earliest possible conveyance of property to the local development agency.

Payment to Environmental Protection Agency of stipulated penalty in connection with Longhorn Army Ammunition Plant, Texas (sec. 314)

The House bill contained a provision (sec. 314) that would authorize the Secretary of the Army to transfer funds to the Hazardous Substance Superfund to satisfy a penalty assessed by the Environmental Protection Agency against Longhorn Army Ammunition Plant, Texas, under a Federal Facility Agreement entered into by the Army and the Environmental Protection Agency in 1991.

The Senate amendment contained no similar provision.  
The Senate recedes.

Department of the Army cleanup and removal of petroleum, oil, and lubricant associated with the Prinz Eugen (sec. 315)

The House bill contained a provision (sec. 315) that would authorize the removal and cleanup of petroleum, oil and lubricants from the heavy cruiser Prinz Eugen, which was transferred from the United States to the Republic of the Marshall Islands in 1986.

The Senate amendment contained no similar provision.  
The Senate recedes with an amendment that would require the Secretary of the Army to certify that the petroleum, oil, and lubricants associated with the Prinz Eugen do not impede military operations if the Secretary chooses not to exercise the authority.

Centers for Disease Control study on health implications of per- and polyfluoroalkyl substances contamination in drinking water (sec. 316)

The House bill contained a provision (sec. 1060B) that would require the Secretary of Defense to conduct a study on the health effects of individuals who have been exposed to perfluorooctane sulfonate and perfluorooctanoic acid.

The Senate amendment contained two similar provisions (sec. 343 and sec. 10304).

The House recedes with multiple technical amendments.
Sentinel Landscapes Partnership (sec. 317)

The Senate amendment contained a provision (sec. 311) that would authorize the Secretary of Defense, in coordination with the Secretary of Agriculture and the Secretary of Interior, to participate in the preservation of the Sentinel Landscapes Program.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Report on release of radium or radioactive material into the groundwater near the industrial reserve plant in Bethpage, New York (sec. 318)

The Senate amendment contained a provision (sec. 10301) that would require the Secretary of Defense to add an addendum to the "2017 Annual Report for Groundwater Impacts at Naval Weapons Industrial Reserve Plant Bethpage, New York" report that would detail the release of radium or radioactive material by the Department of Defense surrounding Bethpage, New York.

The House bill contained no similar provision.

The House recedes.

SUBTITLE C—LOGISTICS AND SUSTAINMENT

Reauthorization of multi-trades demonstration project (sec. 321)

The House bill contained a provision (sec. 321) that would amend section 338 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108-136) to extend the multi-trades demonstration project through 2024.

The Senate amendment contained no similar provision.

The Senate recedes.

Increased percentage of sustainment funds authorized for realignment to restoration and modernization at each installation (sec. 322)

The Senate amendment contained a provision (sec. 312) that would grant temporary permissive authority to the Secretary of Defense to authorize an installation commander to realign up to 7.5 percent of that installation's sustainment funds to restoration and modernization. The authority would expire on September 30, 2022.

The House bill contained no similar provision.

The House recedes.
Guidance regarding use of organic industrial base (sec. 323)

The House bill contained a provision (sec. 322) that would direct the Secretary of the Army to maintain the arsenals with sufficient workloads to ensure affordability and technical competence in all critical capability areas.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of the Army to establish, not later than 90 days after enactment of this Act, clear and prescriptive guidance on the process for conducting make-or-buy analyses for Army requirements, to include the use of the organic industrial base.

SUBTITLE D—REPORTS

Quarterly reports on personnel and unit readiness (sec. 331)

The House bill contained a provision (sec. 331) that would amend section 482 of title 10, United States Code, to change the matters reported in the Quarterly Readiness Reports to Congress (QRRC). Reports for the first and third quarters of a fiscal year would contain information on Department of Defense and military service readiness status while those for the second and fourth quarters of a fiscal year would contain Department of Defense mitigation plans for readiness deficiencies identified in the previous quarter's QRRC.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note the importance of meeting congressionally mandated deadlines for readiness reporting requirements to ensure that the information provided to Members of Congress is up to date and accurate.

Biennial report on core depot-level maintenance and repair capability (sec. 332)

The House bill contained a provision (sec. 332) that would amend section 2464 of title 10, United States Code, to improve existing biennial reporting requirements on core depot-level maintenance and repair capabilities by clarifying what specific data should be included in such reports.

The Senate amendment contained no similar provision.

The Senate recedes.

Annual report on personnel, training, and equipment needs of non-federalized National Guard (sec. 333)
The House bill contained a provision (sec. 333) that would amend section 10504 of title 10, United States Code, to require the Chief of the National Guard Bureau to submit an annual report on the personnel, training, and equipment requirements of the non-federalized National Guard through calendar year 2022.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the report to be submitted in coordination with the Secretary of Defense through calendar year 2020 with an additional requirement that the report assess the ability of state budgets to support validated non-federalized National Guard requirements.

Annual report on military working dogs used by the Department of Defense (sec. 334)

The House bill contained a provision (sec. 334) that would require the Secretary of Defense to: (1) Identify the number of military working dogs required to fulfill the missions of the Department; (2) Take steps to ensure the availability of an adequate number of working dog teams to meet and sustain those missions; (3) Ensure that the Department's requirements and performance standards for working dogs are available to dog trainers and breeders; (4) Coordinate with other government agencies and private sector organizations to increase training capacity for military working dogs; and (5) Ensure efficient procurement of working dogs at the best value to the government.

Additionally, the provision would require the Secretary to submit a report to the congressional defense committees, within 90 days of the date of the enactment of this Act and annually thereafter until September 30, 2021, on the procurement and retirement of working dogs during the previous fiscal year.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Report on effects of climate change on Department of Defense (sec. 335)

The House bill contained a provision (sec. 336) that would state findings related to climate change, express the sense of Congress regarding climate change and national security, and would require the Secretary of Defense to provide a report on vulnerabilities to military installations and combatant commands from climate change related effects.

The Senate amendment contained no similar provision.

The Senate recedes.
The conferees direct that the reporting elements required by the related Senate Committee Report (under the heading “Defense Threat Assessment and Plan for Climate”) shall be consolidated and submitted together with the report required by this provision and shall be delivered as a single report.

Report on optimization of training in and management of special use airspace (sec. 336)

The Senate amendment contained a provision (sec. 10303) that would require the Air Force, in consultation with the Federal Aviation Administration (FAA), to submit to Congress a report on the optimization of training and management of special use airspace.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Air Force and FAA to jointly submit, and add elements to, the required report.

Plan for modernized, dedicated Department of the Navy adversary air training enterprise (sec. 337)

The Senate amendment contained a provision (sec. 321) that would direct the Chief of Naval Operations and Commandant of the Marine Corps to submit a plan for developing and emplacing a modernized dedicated adversary air training enterprise.

The House bill contained no similar provision.

The House recedes.

Updated guidance regarding biennial core report (sec. 338)

The House bill contained a provision (sec. 337) that would direct the Secretary of Defense to direct the Under Secretary of Defense for Acquisition, Technology and Logistics to update the Department of Defense Guidance to require future biennial core reports to include instructions to the reporting agencies on how to carry out certain elements of the report.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

SUBTITLE E—OTHER MATTERS

Explosive safety board (sec. 341)

The House bill contained a provision (sec. 341) that would amend section 172 of title 10, United States Code, to change the
name of the Ammunition Storage Board to the Explosive Safety Board while also changing the membership requirements of that board.

The Senate amendment contained no similar provision.
The Senate recedes with a technical amendment.

Servicewomen's commemorative partnerships (sec. 342)

The House bill contained a provision (sec. 342) that would allow the Secretary of Defense to provide financial support for the acquisition, installation, and maintenance of exhibits, facilities, historical displays, and programs at military service memorials and museums that highlight the role of women in the Armed Forces.

The Senate amendment contained a similar provision (sec. 334).
The House recedes.
The conferees note that the fiscal year 2018 budget request included $5.0 million for financial support for the acquisition, installation, and maintenance of exhibits, facilities, historical displays, and programs at military service memorials and museums that highlight the role of women in the military in accordance with section 2833 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328). As noted in the justification materials accompanying the budget request, the conferees expect these funds and the authority provided by this section to enable the memorial to address program shortfalls and chart a path to financial independence by end of year fiscal year 2018.

Limitation on availability of funds for advanced skills management software system of the Navy (sec. 343)

The House bill contained a provision (sec. 343) that would require the Secretary of the Navy to brief on needed enhancements to the system, and withhold funding until 60 days after the Secretary of the Navy has provided information that considers commercial-off-the-shelf solutions.
The Senate amendment contained no similar provision.
The Senate recedes with a technical/clarifying amendment.

Cost-benefit analysis of uniform specifications for Afghan military or security forces (sec. 344)

The House bill contained a provision (sec. 344) that would require a cost-benefit analysis of uniform specifications
whenever the Secretary of Defense enters into a contract for the provision of uniforms for Afghan military or security forces.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees understand that planning is already underway within the Department of Defense (DOD) to conduct a cost-benefit analysis in fiscal year 2018, including the identification of appropriate DOD experts to lead the study. The conferees commend the Department for taking action and look forward to the result.

Temporary installation reutilization authority for arsenals, depots, and plants (sec. 345)

The Senate amendment contained a provision (sec. 332) that would establish a pilot program to grant permissive authority to the Secretary of the Army to authorize leases and contracts up to 25 years under section 2667 of title 10, United States Code, if the Secretary determines that a lease or contract will promote the national defense to maintain the viability of an arsenal, depot, plant, or military installation on which such facility is located. The provision would subject any lease to a 90-day hold period for the purposes of review by the Army real property manager. The provision would finally require that this authority would expire on September 30, 2020.

The House bill contained no similar provision.

The House recedes with a technical amendment that would replace the term “Army Real Property Manager” with “Chief of the Army Corps of Engineers” and limit the number of leases or agreements allowed under this permissive authority to 10 per fiscal year.

Comprehensive plan for sharing depot-level maintenance best practices (sec. 346)

The Senate amendment contained a provision (sec. 5302) that would direct the Secretary of Defense to submit a report to the congressional defense committees on a comprehensive plan for the sharing of best practices for depot-level maintenance among the military services.

The House bill contained no similar provision.

The House recedes.

Pilot program for operation and maintenance budget presentation (sec. 347)
The Senate amendment contained a provision (sec. 333) that would establish a 3-year pilot program for the operating tempo, flying hour, depot maintenance, and base operating support subactivity groups for each service to be submitted as an annex or annexes in conjunction with the President's budget requests beginning with fiscal year 2019 and ending with the submission for fiscal year 2021.

The House bill contained no similar provision.

The House recedes.

Repurposing and reuse of surplus Army firearms (sec. 348)

The Senate amendment contained a provision (sec. 336) that would require the Secretary of the Army to transfer all excess firearms, related spare parts and components, small arms ammunition, and ammunition components currently stored at Defense Distribution Depot, Anniston, Alabama that are no longer actively issued for military service and not commercially available to Rock Island Arsenal for melting and to be reforged into new firearms and force protection barriers.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of the Army, in coordination with the Director of the Defense Logistics Agency, to submit to the Committees on Armed Services an annual report, not later than 5 days after the submission of the President’s budget for a fiscal year, specifying additional excess firearms, related spare parts and components, small arms ammunition, and ammunition components designated as no longer actively issued for military service and that are otherwise prohibited from commercial sale, or distribution, under Federal law. The Secretary of the Army will designate these items to either be added to the transfer list for purposes of (b) or exemption lists for purposes of (c). These lists shall include any items that are not currently identified by subsection (a) or (c). Furthermore, the amendment would not allow the Secretary of the Army to take any action to transfer the items specified in the annual report until the date of the enactment of the National Defense Authorization Act for the fiscal year following the year such report is submitted.

Department of the Navy marksmanship awards (sec. 349)

The Senate amendment contained a provision (sec. 337) that would amend section 40728 of title 36, United States Code, to grant permissive authority to the Secretary of the Navy to transfer to the Corporation for the Promotion of Rifle Practice & Firearms Safety, M-1 Garand and caliber .22 rimfire rifles
within the inventories of the Navy and Marine Corps stores at Defense Distribution Depot, Anniston, Alabama or Naval Surface Warfare Center, Crane, Indiana for the sole purpose as awards for competitors in marksmanship competitions held by the Navy or Marine Corps. The provision would not allow these awards to be resold.

The House bill contained no similar provision.

The House recedes with an amendment that would stipulate that all weapons deemed eligible for award shall be rendered inoperable prior to transfer for award purposes.

Civilian training for National Guard pilots and sensor operator aircrews of MQ-9 unmanned aerial vehicles (sec. 350)

The Senate amendment contained a provision (sec. 5506) that would authorize the Chief of the National Guard Bureau to enter into contracts with civilian entities to provide flying or operational training to National Guard MQ-9 unmanned aerial vehicle pilots and sensor aircrew under certain conditions.

The House bill contained no similar provision.

The House recedes with an amendment that would provide the Secretary of the Air Force with the prescribed authority, vice the Chief of the National Guard Bureau.

The conferees believe the Secretary of the Air Force should closely coordinate with the Chief of the National Guard Bureau in making the determination to use this authority.

Training for National Guard personnel on wildfire response (sec. 351)

The Senate amendment contained a provision (sec. 514) that would authorize the Secretary of the Army and the Secretary of the Air Force to provide support for training of National Guard personnel on wildfire response.

The House bill contained no similar provision.

The House recedes with an amendment to include training for wildfire prevention.

Modification of the Second Division Memorial (sec. 352)

The Senate amendment contained a provision (sec. 338) that would allow the Second Indianhead Division Association, Inc. to place additional commemorative elements or engravings on the existing Second Division Memorial in Washington, DC, to further honor the members of the Second Infantry Division.

The House bill contained no similar provision.

The House recedes.
LEGISLATIVE PROVISIONS NOT ADOPTED

Prohibition on application of hiring freezes at Department of Defense industrial base facilities

The House bill contained a provision (sec. 323) that would prohibit the application of hiring freezes at the Department of Defense industrial base facilities.

The Senate amendment contained no similar provision.

The House recedes.

The conferees urge the Secretary of Defense to consider the implications of a hiring freeze on Working Capital Fund operations in the event of a hiring freeze.

Annual briefings on Army explosive ordnance disposal

The House bill contained a provision (sec. 335) that would require an annual briefing to the Committees on Armed Services of the Senate and House of Representatives on the Army’s explosive ordnance disposal program.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of the Army to provide to the congressional defense committees, not later than 60 days after the last day of each fiscal year 2018 through 2021, a briefing on Army explosive ordnance disposal. The briefing shall include: (1) Programmed funding and manpower to establish and implement the explosive ordnance disposal (EOD) assistant commandant position in the Army Ordnance School; (2) EOD personnel talent management; (3) How the EOD career path ensures and maintains technical proficiency for EOD personnel; (4) Efforts to improve EOD proponency and advocacy across the Army; (5) Efforts to enhance synchronization of EOD with other Army missions and functions and retain critical interdependencies; and (6) Annual funding programmed through the future-years defense program and executed during the preceding fiscal year for EOD requirements including personnel, training, and equipment.

Report on Arctic readiness

The House bill contained a provision (sec. 338) that would require the Secretary of Defense to submit to Congress a report on Arctic readiness.

The Senate amendment contained no similar provision.

The House recedes.
The conferees note that elements of this provision are incorporated into a report on the Department of Defense’s Arctic capabilities, resource gaps, and required infrastructure required elsewhere in this Act.

Report on effects of increased automation of defense industrial base on manufacturing workforce

The House bill contained a provision (sec. 340) that would require the Secretary of Defense to submit a report on the effects of increased automation of the defense industrial base on the manufacturing workforce.

The Senate amendment contained no similar provision.

The House recedes.

Comptroller General review of Department of Defense cost models used in making personnel decisions

The House bill contained a provision (sec. 340A) that would require a Comptroller General review of Department of Defense cost models used in making personnel decisions.

The Senate amendment contained no similar provision.

The House recedes.

Authority to carry out environmental restoration activities at National Guard and Reserve locations

The Senate amendment contained a provision (sec. 341) that would amend section 2701(a) of title 10, United States Code, to authorize the Secretary to carry out environmental restoration activities at the National Guard and Reserve locations.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Secretary of Defense to deliver recommendations to the conferees no later than 30 days after the enactment of this Act on how the Department could: (1) Reimburse state or municipal agencies that expended funds to investigate or provide alternative water supplies, due to the release of per- and polyfluoroalkyl substances, when release came from a Department of Defense facility; and (2) Authorize access to the Environmental Restoration Account, established in 10 U.S.C. 2703, to address the investigation and any required removal or remedial action for the release of per- and polyfluoroalkyl substances when the release took place from an Air or Army National Guard facility operating under a title 32 authority.
Environmental oversight and remediation at Red Hill Bulk Fuel Storage Facility

The Senate amendment contained a provision (sec. 344) that would express the sense of Congress that the Red Hill Bulk Fuel Storage Facility located on Oahu, Hawaii is a national strategic asset.

The House bill contained no similar provision.

The Senate recedes.

The conferees note the strategic value of the Red Hill Bulk Fuel Storage Facility that supports combatant commander theater security requirements, contingency operations, and provides essential and timely support to the United States and allies’ military mobilization, routine movements, and disaster response efforts in the Indo-Asia-Pacific and around the world. The conferees note that the facility in its current form cannot be replicated anywhere else in the world. Moving the fuel to another storage facility in the Indo-Asia-Pacific would have implications for the United States military force structure in the Indo-Asia-Pacific region. If the facility were closed, the United States Armed Forces would be unable to support the National Military Strategy, including the goals of the United States Pacific Commander, and national security interests would be significantly undermined.

The conferees note that constant vigilance is required to ensure that facility degradation and fuel leaks do not pose a threat to the people of Hawaii, especially the drinking water on Oahu, and despite its importance, the bulk fuel storage facility continues to face long-term challenges without robust and consistent funding that provides the Navy and the Defense Logistics Agency the resources needed to improve the fuel storage tanks and associated infrastructure. Accordingly, the conferees direct the Secretary of Defense to ensure the annual budget justification materials submitted to Congress includes a description of how the Department will request and use funds to support any deliverables that the parties of the Administrative Order on Consent have agreed are necessary to ensure the continued safe operation of the Red Hill Bulk Fuel Storage Facility and prevent future fuel leaks into the environment.

Increase in funding for civil military programs

The House bill contained a provision (sec. 345) that would increase funding for civil military programs by $25.0 million. The Senate amendment contained no similar provision. The Senate recedes.
Report on maternity uniforms

The House bill contained a provision (sec. 346) that would direct the Secretary of Defense to submit a report to the congressional defense committees regarding maternity uniforms for pregnant members of the Armed Forces. The Senate amendment contained no similar provision. The House recedes.

The conferees direct the Secretary of Defense to submit to the congressional defense committees, not later than 90 days after the date of the enactment of this Act, a report regarding maternity uniforms for pregnant members of the Armed Forces. The report shall include:

1. The design of maternity uniforms;
2. Materials used in the fabrication of maternity uniforms;
3. The sizing of maternity uniforms;
4. Prices of maternity uniforms;
5. The availability of maternity uniforms;
6. The quality of maternity uniforms;
7. The utility of maternity uniforms.

Status of compliance with process for communicating availability of surplus ammunition

The House bill contained a provision (sec. 347) that would require the Under Secretary of Defense for Acquisition, Technology, and Logistics to provide a briefing to the congressional defense committees on the status of compliance with section 344 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328). The Senate amendment contained no similar provision. The House recedes.

The conferees note that section 344 of Public Law 114-328 required the Secretary of Defense to implement a formal process for communicating to other Federal Government agencies the availability of surplus, serviceable ammunition from the Department of Defense for the purpose of reducing costs relating to the storage and disposal of such ammunition. The conferees are aware that a Memorandum of Understanding was signed by the Defense Logistics Agency (DLA) and the Department of the Army to help facilitate a formal process for transferring excess conventional ammunition and the conferees support this action taken. However, the conferees need to better understand how this formal process is being implemented. Therefore, the conferees direct the Under Secretary of Defense for Acquisition, Technology, and Logistics, in consultation with the Director,
DLA, and the Deputy Chief of Staff of the Army (G-4) to provide a briefing to the congressional defense committees not later than 30 days after enactment of this Act on the formal processes being used to communicate the availability of surplus ammunition to other Federal Government agencies.

**Increase in funding for National Guard counter-drug programs**

The House bill contained a provision (sec. 348) that would increase the amount to be authorized to be appropriated to support the National Guard counter-drug program by $10 million. The Senate amendment contained no similar provision.

The House recedes.

**Facilities demolition plan of the Army**

The Senate amendment contained a provision (sec. 5303) that would require the Secretary of the Army to submit a facilities demolition plan.

The House bill contained no similar provision.

The Senate recedes.

The conferees note the importance of taking into account contamination when demolishing facilities on military property. The conferees direct the Secretary of the Army to submit a facilities demolition plan for the Army to the congressional defense committees no later than 120 days after the enactment of this Act. The plan should:

1. Take into account the impact of a contaminated facility on mission readiness, and national security generally, in establishing priorities for the demolition of facilities; and
2. Set forth a multi-year plan for the demolition of Army facilities, including contaminated facilities afforded a priority for demolition pursuant to the previous point.

**Funding for environmental restoration, Navy**

The Senate amendment contained a provision (sec. 14001) that would increase funding for Environmental Restoration, Navy.

The House bill contained no similar provision.

The Senate recedes.

**Additional funding table matters**

The Senate amendment contained a provision (sec. 14002) that would increase funding for Operation and Maintenance, Navy Reserve, Sustainment, Restoration, and Modernization, and
Operation and Maintenance, Air National Guard, Facilities Sustainment, Restoration and Modernization.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct that not later than December 31, 2017 the Secretary of Defense shall submit to the congressional defense committees a report setting forth a description of the manner in which the Secretary will allocate funds which shall be used by the Air Force and the National Guard to take actions to mitigate identified sources of polyfluoroalkyl substances at sites as a result of surveys conducted by the Armed Forces so as to restore public confidence in potable water which may be affected in such sites.

Funding for environmental restoration, Air Force

The Senate amendment contained a provision (sec. 14009) that would increase funding for Environmental Restoration, Air Force.

The House bill contained no similar provision.

The Senate recedes.

**TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS**

**SUBTITLE A—ACTIVE FORCES**

End strengths for active forces (sec. 401)

The House bill contained a provision (sec. 401) that would authorize active-duty end strengths for fiscal year 2018 as follows: Army 486,000; Navy 327,900; Marine Corps 185,000; Air Force 325,100.

The Senate amendment contained a provision (sec. 401) that would authorize active-duty end strengths for fiscal year 2018 as follows: Army 481,000; Navy 327,900; Marine Corps 186,000; Air Force 325,100.

The Senate recedes with an amendment that would authorize active-duty end strengths for fiscal year 2018 as follows: Army 483,500; Navy 327,900; Marine Corps 186,000; Air Force 325,100.

Revisions in permanent active duty end strength minimum levels (sec. 402)
The House bill contained a provision (sec. 402) that would establish new minimum active-duty end strengths for the Army, Navy, Marine Corps, and Air Force as of September 30, 2018. The Senate amendment contained no similar provision. The Senate recedes.

The conferees note that the Department of Defense is expected to use its variance authority to go below the authorized end strength in the event that quality standards cannot be met through appropriate recruiting and retention methods with the increase in end strength authorized, which is to be interpreted as a ceiling, not a floor.

**SUBTITLE B–RESERVE FORCES**

*End strengths for Selected Reserve (sec. 411)*

The House bill contained a provision (sec. 411) that would authorize the following end strengths for Selected Reserve personnel of the Armed Forces as of September 30, 2018: the Army National Guard, 347,000; the Army Reserve, 202,000; the Navy Reserve, 59,000; the Marine Corps Reserve, 38,500; the Air National Guard of the United States, 106,600; the Air Force Reserve, 69,800; and the Coast Guard Reserve, 7,000.

The Senate amendment contained a provision (sec. 411) that would authorize the following end strengths for Selected Reserve personnel of the Armed Forces as of September 30, 2018: the Army National Guard, 343,500; the Army Reserve, 199,500; the Navy Reserve, 59,000; the Marine Corps Reserve, 38,500; the Air National Guard of the United States, 106,600; the Air Force Reserve, 69,800; and the Coast Guard Reserve, 7,000.

The House recedes.

*End strengths for Reserves on active duty in support of the reserves (sec. 412)*

The House bill contained a provision (sec. 412) that would authorize the following end strengths for Reserves on Active Duty in support of the reserve components as of September 30, 2018: the Army National Guard of the United States, 30,155; the Army Reserve, 16,261; the Navy Reserve, 10,101; the Marine Corps Reserve, 2,261; the Air National Guard of the United States, 16,260; and the Air Force Reserve, 3,588.

The Senate amendment contained an identical provision (sec. 412).

The conference agreement includes this provision.
End strengths for military technicians (dual status) (sec. 413)

The House bill contained a provision (sec. 413) that would authorize the following end strengths for military technicians (dual status) as of September 30, 2018: the Army National Guard of the United States, 25,507; the Army Reserve, 7,427; the Air National Guard of the United States, 21,893; and the Air Force Reserve, 10,160.

The Senate amendment contained a provision (sec. 413) that would authorize the following end strengths for military technicians (dual status) as of September 30, 2018: the Army National Guard of the United States, 22,294; the Army Reserve, 6,492; the Air National Guard of the United States, 19,135; and the Air Force Reserve, 8,880. These figures reflect the conversion of 12.6 percent of dual status technicians to title 5 civilian employees required elsewhere in this bill.

The House recedes.

The conferees note that the number of personnel available for full-time support of the reserve components of the Army and the Air Force through the combination of military technicians (dual status) and those technicians converted to civilian employees under section 3101 of title 5, United States Code, or section 1601 of title 10, United States Code, is no less than it would be absent the conversion. Further, the conferees have not reduced either the overall Selected Reserve end strength or budgetary authority for civilian personnel relative to this conversion. The conferees expect the Department of Defense to utilize its variance authority to allocate the 12.6 percent conversion appropriately across the components.

Fiscal Year 2018 limitation on number of non-dual status technicians (sec. 414)

The House bill contained a provision (sec. 414) that would authorize the following personnel limits for the reserve components of the Army and Air Force for non-dual status technicians as of September 30, 2018: the Army National Guard of the United States, 1,600; the Air National Guard of the United States, 350; the Army Reserve, 420; and the Air Force Reserve, 90.

The Senate amendment contained a provision (sec. 414) that would authorize the following personnel limits for the reserve components of the Army and Air Force for non-dual status technicians as of September 30, 2018: the Army National Guard of the United States, 0; the Air National Guard of the United States, 0; the Army Reserve, 0; and the Air Force Reserve, 0.

The House recedes.
Maximum number of reserve personnel authorized to be on active duty for operational support (sec. 415)

The House bill contained a provision (sec. 415) that would authorize the maximum number of reserve component personnel who may be on Active Duty or full-time National Guard duty under section 115(b) of title 10, United States Code, during fiscal year 2018 to provide operational support.

The Senate amendment contained an identical provision (sec. 415).

The conference agreement includes this provision.

Number of members of the National Guard on full-time duty in support of the reserves within the National Guard Bureau (sec. 416)

The Senate amendment contained a provision (sec. 416) that would limit the number of personnel authorized to be on full-time duty in support of the reserves within the National Guard Bureau to not exceed the number equal to six percent of the number authorized by section 412 of this Act.

The House bill contained no similar provision.

The House recedes with an amendment that would set separate requirements for the Air National Guard and the Army National Guard.

SUBTITLE C—AUTHORIZATION OF APPROPRIATIONS

Military personnel (sec. 421)

The House bill contained a provision (sec. 421) that would authorize appropriations for military personnel at the levels identified in the funding table in section 4401 of this Act.

The Senate amendment contained an identical provision (sec. 421).

The conference agreement includes this provision.

TITLE V—MILITARY PERSONNEL POLICY

SUBTITLE A—OFFICER PERSONNEL POLICY

Modification of deadline for submittal by officers of written communications to promotion selection boards on matters of importance to their selection (sec. 501)
The Senate amendment contained a provision (sec. 5504) that would modify the deadline for submittal by officers of written communications to promotion selection boards on matters of importance to their selection. The House bill contained no similar provision. The House recedes with a clarifying amendment.

Clarification to exception for removal of officers from list of officers recommended for promotion after 18 months without appointment (sec. 502)

The Senate amendment contained a provision (sec. 503) that would amend section 629 of title 10, United States Code, to clarify that the requirement to remove officers from a list of officers recommended for promotion after 18 months without appointment does not apply when the military department concerned is not able to obtain and provide to the Senate the information the Senate requires to give its advice and consent to the appointment concerned because that information is under the control of a department or agency of the Federal Government other than the Department of Defense. The House bill contained no similar provision. The House recedes.

Modification of requirement for specification of number of officers who may be recommended for early retirement by a Selective Early Retirement Board (sec. 503)

The Senate amendment contained a provision (sec. 505) that would amend section 638a of title 10, United States Code, to repeal the requirement that service secretaries specify the number of officers who may be recommended for early retirement. The House bill contained no similar provision. The House recedes with an amendment that would limit the number of officers who may be recommended for early retirement to not more than 30 percent of the number of officers considered in each grade in each competitive category.

Extension of service-in-grade waiver authority for voluntary retirement of certain general and flag officers for purposes of enhanced flexibility in officer personnel management (sec. 504)

The Senate amendment contained a provision (sec. 506) that would amend section 1370 of title 10, United States Code, to extend to 2025 the authority to waive the time-in-grade requirement for certain general and flag officers for voluntary early retirement without reduction in grade of up to 10 percent
of the authorized Active-Duty strength for officers in those grades for purposes of enhanced flexibility in officer personnel management.

The House bill contained no similar provision.

The House recedes.

Inclusion of Principal Military Deputy to the Assistant Secretary of the Army for Acquisition, Technology, and Logistics among officers subject to repeal of statutory specification of general officer grade (sec. 505)

The Senate amendment contained a provision (sec. 507) that would amend section 3016 of title 10, United States Code, to remove the requirement that the Principal Military Deputy to the Assistant Secretary of the Army for Acquisition, Technology, and Logistics shall be a lieutenant general.

The House bill contained no similar provision.

The House recedes.

Clarification of effect of repeal of statutory specification of general or flag officer grade for various positions in the Armed Forces (sec. 506)

The Senate amendment contained a provision (sec. 508) that would amend section 502 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to clarify that the grade of an officer serving as of the date of the enactment of that Act in a position whose statutory grade is affected by an amendment made by section 502 may not be reduced after that date by reason of such amendment as long as the officer remains in continuous service in such position after that date. The Senate amendment also contained a provision that would amend section 3084 of title 10, United States Code, to repeal the requirement that an officer appointed as Chief of the Veterinary Corps of the Army who holds a lower grade shall be appointed in the grade of brigadier general.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Standardization of authorities in connection with repeal of statutory specification of general officer grade for the Dean of the Academic Board of the United States Military Academy and the Dean of the Faculty of the United States Air Force Academy (sec. 507)

The Senate amendment contained a provision (sec. 5505) that would repeal the statutory requirement that a general
officer serve as the Dean of the Academic Board of the United States Military Academy and the Dean of the Faculty of the United States Air Force Academy.

The House bill contained no similar provision.

The House recedes with a technical amendment.

**Flexibility in promotion of officers to positions of Staff Judge Advocate to the Commandant of the Marine Corps and Deputy Judge Advocate General of the Navy or Air Force (sec. 508)**

The Senate amendment contained a provision (sec. 504) that would amend sections 5046 and 5149 of title 10, United States Code, to retain prior flexibility in the promotion of officers to positions of Staff Judge Advocate to the Commandant of the Marine Corps and Deputy Judge Advocate General of the Navy.

The Senate amendment also contained a provision (sec. 10501) that would amend section 8037 of title 10, United States Code, to retain prior flexibility in the promotion of officers to the position of Deputy Judge Advocate General of the Air Force.

The House bill contained no similar provisions.

The House recedes with an amendment that would combine these provisions.

**Grandfathering of retired grade of Assistant Judge Advocates General of the Navy as of repeal of statutory specification of general and flag officers grades in the Armed Forces (sec. 509)**

The Senate amendment contained a provision (sec. 509) that would clarify that officers holding certain positions as of December 23, 2016, whose statutory grade is affected by amendments made by section 502 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) may be retired in such grade with the retired pay of such grade, unless entitled to higher pay under another provision of law.

The House bill contained no similar provision.

The House recedes with technical and clarifying amendments.

**SUBTITLE B—RESERVE COMPONENT MANAGEMENT**

**Equal treatment of orders to serve on active duty under section 12304a and 12304b of title 10, United States Code (sec. 511)**

The House bill contained a provision (sec. 503) that would amend sections 1074(d)(2) and 1145(a) of title 10, United States
Code, to authorize Reserve Component members activated under the authority provided by either section 12304a or 12304b of title 10, United States Code, to receive pre-mobilization and transitional TRICARE health care.

The Senate amendment contained a similar provision (sec. 10702).

The Senate recedes.

Service credit for cyberspace experience or advanced education upon original appointment as a commissioned officer (sec. 512)

The Senate amendment contained a provision (sec. 510) that would amend section 12207 of title 10, United States Code, to authorize service secretaries to credit any person receiving an original appointment as a reserve commissioned officer with a period of constructive service. Constructive service would be credited to an individual for special experience or training in a particular cyberspace-related field or for any period of advanced education in a cyberspace-related field beyond the baccalaureate degree level. Constructive service credit cannot exceed one year for each year of special experience, training, or advanced education, and not more than three years total constructive service may be credited. This authority is intended to allow the Defense Department to better recruit individuals with cyberspace-related skills into vacant critical cyberspace positions.

The House bill contained no similar provision.

The House recedes.

Consolidation of authorities to order members of the reserve components of the Armed Forces to perform duty (sec. 513)

The Senate amendment contained a provision (sec. 511) that would amend section 515 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to require the Secretary of Defense to submit to the Committees on Armed Services of the Senate and the House of Representatives by April 30, 2019, legislative proposals designed to implement alternative approaches to reducing the number of statutory authorities by which members of the reserve components of the Armed Forces may be ordered to perform duty to not more than eight statutory authorities grouped into four duty categories to which specific pay and benefits may be aligned.

The House bill contained no similar provision.

The House recedes.
Pilot program on use of retired senior enlisted members of the Army National Guard as Army National Guard recruiters (sec. 514)

The House bill contained a provision (sec. 502) that would authorize the Secretary of the Army to carry out a pilot program under which retired senior enlisted members of the Army National Guard would serve as contract recruiters for the Army National Guard.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the use of National Guard Bureau funds to carry out the pilot program.

SUBTITLE C—GENERAL SERVICE AUTHORITIES

PART I—MATTERS RELATING TO DISCHARGE AND CORRECTION OF MILITARY RECORDS

Consideration of additional medical evidence by boards for the correction of military records and liberal consideration of evidence relating to post-traumatic stress disorder or traumatic brain injury (sec. 520)

The House bill contained a provision (sec. 511) that would amend section 1552 of title 10, United States Code, to require Boards for the Correction of Military Records to review medical evidence of the Secretary of Veterans Affairs and civilian healthcare providers in cases in which the claim is based on matters relating to post-traumatic stress disorder (PTSD) or traumatic brain injury (TBI) that is related to combat or military sexual trauma. The provision would also require the Boards to review the claim with liberal consideration to the claimant that PTSD or TBI potentially contributed to the circumstances resulting in the discharge or dismissal or to the original characterization of the claimant’s discharge or dismissal.

The Senate amendment contained no similar provision.

The Senate recedes.

Public availability of information related to disposition of claims regarding discharge or release of members of the Armed Forces when the claims involve sexual assault (sec. 521)

The House bill contained a provision (sec. 512) that would amend sections 1552 and 1553 of title 10, United States Code, to
require boards for the correction of military records and discharge review boards to make publicly available on an internet website the number and disposition of decided claims in which sexual assault is alleged to have contributed in whole or in part to the original characterization of a servicemember's discharge or release from the military.

The Senate amendment contained a similar provision (sec. 520).

The House recedes with technical and conforming amendments.

Confidential review of characterization of terms of discharge of members who are victims of sex-related offenses (sec. 522)

The House bill contained a provision (sec. 517) that would amend chapter 79 of title 10, United States Code, to establish a new section 1554b that would codify section 547 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) that required service secretaries to establish a confidential process by which an individual who was the victim of a sex-related offense during military service may challenge, through boards for the correction of military records, the terms or characterization of the discharge or separation of the individual from the military on the grounds that the terms or characterization were adversely affected by the individual being the victim of such an offense.

The Senate amendment contained a similar provision (sec. 518).

The Senate recedes with technical amendments.

Training requirements for members of boards for the correction of military records and personnel who investigate claims of retaliation (sec. 523)

The House bill contained a provision (sec. 516) that would require certain training for members of boards for the correction of military records and Department of Defense personnel who investigate claims of retaliation.

The Senate amendment contained no similar provision.

The Senate recedes with technical amendments.

Pilot program on use of video teleconferencing technology by boards for the correction of military records and discharge review boards (sec. 524)
The House bill contained a provision (sec. 513) that would authorize the Secretary of Defense to conduct a pilot program on the use of video teleconferencing technology by service boards for the correction of military records and service discharge review boards so that, when authorized, claimants and certain other individuals may appear before the boards without being physically present.

The Senate amendment contained a provision (sec. 519) that would amend section 1553 of title 10, United States Code, to repeal the 15-year statute of limitations on filing claims for review of a discharge or dismissal by service discharge review boards. The provision would also authorize presentation of evidence to these boards by telephone or video conference, to the extent reasonable and technically feasible.

The Senate recedes with an amendment that would clarify that video teleconferencing technology may be used to the extent such technology is reasonably available and technically feasible.

The conferees note that claims that are barred by the 15-year statute of limitations that applies to actions by service discharge review boards can be presented to service boards for the correction of military records, which routinely review such claims.

PART II—OTHER GENERAL SERVICE AUTHORITIES

Modification of basis for extension of period for enlistment in the Armed Forces under the Delayed Entry Program (sec. 526)

The Senate amendment contained a provision (sec. 520A) that would authorize a service secretary to extend the period of extension under the Department of Defense's Delayed Entry Program for certain individuals who enlist under section 504(b)(2) of title 10, United States Code, by up to an additional 365 days if the secretary determines that the period of extension is required for the performance of adequate background and security reviews of that person.

The House bill contained no similar provision.

The House recedes with an amendment that would impose additional requirements on the use of this authority and mandate that the authority expire one year after the enactment of this Act.

Reauthorization of authority to order retired members to active duty in high-demand, low-density assignments (sec. 527)
The Senate amendment contained a provision (sec. 510B) that would amend section 688a of title 10, United States Code, to authorize service secretaries to order retired military service members to active duty on a voluntary basis to meet critical manning needs. The period of active duty would be in accordance with an agreement between the member and the Secretary concerned. Activation under this authority is limited to 1,000 members. The authority to use section 688a of title 10, United States Code, expired on December 31, 2011. This authority would be reinstated for a 5-year period and would expire on December 31, 2022.

The House bill contained no similar provision.
The Senate recedes.

Notification of members of the Armed Forces undergoing certain administrative separations of potential eligibility for veterans benefits (sec. 528)

The House bill contained a provision (sec. 529) that would require servicemembers who receive an administrative separation or mandatory discharge under conditions other than honorable be provided written notification that the member may petition the Department of Veterans Affairs, despite the characterization of service, to receive certain benefits under the laws administered by the Secretary of Veterans Affairs.

The Senate amendment contained no similar provision.
The Senate recedes.

Extension of authority of the Secretary of Veterans Affairs to provide for the conduct of medical disability examinations by contract physicians (sec. 529)

The House bill contained a provision (sec. 576) that would amend section 704(c) of the Veterans Benefit Act of 2003 (Public Law 108-183) to extend the authority of the Secretary of Veterans Affairs to provide for the conduct of medical disability examinations by contract physicians until December 31, 2018.

The Senate amendment contained no similar provision.
The Senate recedes.

Provision of information on naturalization through military service (sec. 530)

The House bill contained a provision (sec. 515) that would require the Secretary of Defense to ensure that members of the
Army, Navy, Air Force, and Marine Corps who are lawful permanent residents are informed of the availability of and process for naturalization through service in the Armed Forces, and that resources are available to assist qualified members. The Senate amendment contained no similar provision. The Senate recedes.

SUBTITLE D—MILITARY JUSTICE AND OTHER LEGAL ISSUES

Clarifying amendments related to the Uniform Code of Military Justice reform by the Military Justice Act of 2016 (sec. 531)

The House bill contained a provision (sec. 521) that would make clarifying amendments to the Uniform Code of Military Justice, including clarifying that petitions for writs of mandamus by victims have priority in both the Court of Criminal Appeals and the Court of Appeals for the Armed Forces; expanding the pre-referral matters that a military judge may consider to include appointment of a certain individual to assume the rights of certain victims and pre-referral matters related to a petition for a writ of mandamus by a victim; clarifying that the President may establish the types of sentences that require automatic reduction in enlisted rank; and extending the due date of the Military Justice Review Panel’s assessment on sentencing data from 2020 to 2021.

The Senate amendment contained a provision (sec. 522) that would make technical and conforming amendments in connection with the reform of the Uniform Code of Military Justice contained in division E of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The Senate amendment contained a provision (sec. 523) that would amend section 806b of title 10, United States Code (article 6b(e)(3) of the Uniform Code of Military Justice), to prioritize the review of a decision on a petition for a writ of mandamus in the Court of Appeals for the Armed Forces, as determined under the rules of the Court of Appeals for the Armed Forces.

The Senate amendment contained a provision (sec. 524) that would amend section 838 of title 10, United States Code (article 38 of the Uniform Code of Military Justice), to clarify that in any court-martial proceeding resulting in a conviction, the defense counsel may assist the accused in the submission of any matter under section 860, 860a, or 860b of title 10 (article 60, 60a, or 60b of the Uniform Code of Military Justice).
The Senate amendment contained a provision (sec. 525) that would amend section 853a of title 10, United States Code (article 53a of the Uniform Code of Military Justice), as added by section 5237 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), to enumerate additional limitations on the acceptance of plea agreements by military judges of general or special courts-martial.

The Senate amendment contained a provision (sec. 526) that would amend section 866 of title 10, United States Code (article 66 of the Uniform Code of Military Justice), as amended by section 5330 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), to require the Court of Criminal Appeals to order a hearing or other proceeding if the Court of Appeals for the Armed Forces determines that additional proceedings are warranted.

The Senate amendment contained a provision (sec. 527) that would clarify the applicability and effective dates for statute of limitations amendments in connection with the reform of the Uniform Code of Military Justice contained in division E of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The Senate amendment contained a provision (sec. 528) that would amend section 946 of title 10, United States Code (article 146 of the Uniform Code of Military Justice), as amended by section 5521 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), to modify the year of initial review by the Military Justice Review Panel of Uniform Code of Military Justice reform amendments.

The Senate amendment contained a provision (sec. 531) that would amend section 806b of title 10, United States Code, to authorize the Court of Appeals for the Armed Forces to review for legal error a grant or denial of a petition for a writ of mandamus by a service Court of Criminal Appeals.

The Senate recedes with technical and clarifying amendments.

Enhancement of effective prosecution and defense in courts-martial and related matters (sec. 532)

The Senate amendment contained a provision (sec. 530) that would amend section 542 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to include an additional element in the program for effective prosecution and defense in courts-martial. The provision would authorize assignment of certain civilian employees to supervise less experienced judge advocates. The provision would also require
service secretaries to assess the feasibility of a military justice career track for judge advocates that leads to judge advocates with military justice expertise in the grade of colonel, or Navy captain. This pilot program would also include the use of skill identifiers to identify judge advocates for the program and guidance for promotion boards to ensure that judge advocates in the program have the same opportunity for promotion as other judge advocates being considered by such boards.

The House bill contained no similar provision.

The House recedes with an amendment that would authorize service secretaries to use highly qualified experts and other civilian employees to advise less experienced judge advocates in prosecution and defense.

**Punitive article under the Uniform Code of Military Justice on wrongful broadcast or distribution of intimate visual images or visual images of sexually explicit conduct (sec. 533)**

The House bill contained a provision (sec. 523) that would amend subchapter X of chapter 47 of title 10, United States Code, to establish a new punitive article in the Uniform Code of Military Justice that would prohibit the wrongful broadcast or distribution of intimate visual images of a private area of another person.

The Senate amendment contained a similar provision (sec. 532) that would prohibit the wrongful broadcast or distribution of both intimate visual images of a private area of another person and visual images of sexually explicit conduct involving a person.

The House recedes with an amendment that would add an element to the punitive article requiring that the conduct, under the circumstances, had a reasonably direct and palpable connection to a military mission or military environment and would modify the definition of “reasonable expectation of privacy.”

**Garnishment to satisfy judgment rendered for physically, sexually, or emotionally abusing a child (sec. 534)**

The House bill contained a provision (sec. 526) that would amend section 1408 of title 10, United States Code, to authorize the garnishment of service member retired pay to satisfy a judgement rendered for physically, sexually, or emotionally abusing a child.

The Senate amendment contained a similar provision (sec. 10602).

The House recedes.
Sexual assault prevention and response training for all individuals enlisted in the Armed Forces under a delayed entry program (sec. 535)

The Senate amendment contained a provision (sec. 548) that would require service secretaries, insofar as practicable, to provide training on sexual assault prevention and response to enlistees in a delayed entry program before they begin basic training or initial active duty for training in the Armed Forces.

The House bill contained no similar provision.

The House recedes with a technical amendment and an amendment that would require the service secretaries to commence providing the required training on sexual assault prevention and response not later than 180 days after the enactment of this Act.

Special Victims' Counsel training regarding the unique challenges often faced by male victims of sexual assault (sec. 536)

The House bill contained a provision (sec. 525) that would require that baseline Special Victims' Counsel training include training for Special Victims' Counsel to recognize and deal with the unique challenges often faced by male victims of sexual assault.

The Senate amendment contained no similar provision.

The Senate recedes.

Inclusion of information in annual SAPRO reports regarding military sexual harassment and incidents involving nonconsensual distribution of private sexual images (sec. 537)

The House bill contained a provision (sec. 527) that would amend section 1631(b) of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111-383) to require inclusion of information on reports of sexual harassment and incidents involving nonconsensual distribution of private sexual images involving members of the Armed Forces in the annual Department of Defense Sexual Assault Prevention and Response Office (SAPRO) report.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would clarify the type of sexual harassment reports to be included in the annual SAPRO reports and revise the date of application of the additional reporting requirements to March 1, 2020 to account
for when the relevant data will be available for inclusion in the annual SAPRO reports.

Inclusion of information in annual SAPRO reports regarding sexual assaults committed by a member of the Armed Forces against the member's spouse or other family member (sec. 538)

The House bill contained a provision (sec. 528) that would require inclusion of information regarding sexual assaults committed by servicemembers against their spouse, intimate partner, or other dependent in the annual Department of Defense Sexual Assault Prevention and Response Office (SAPRO) report required by section 1631 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383).

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would allow the additional information to be included as an annex to the annual SAPRO reports and revise the date by which the additional information must be included in such reports to March 1, 2019 to account for when the relevant data will be available for inclusion.

**SUBTITLE E—MEMBER EDUCATION, TRAINING, RESILIENCE, AND TRANSITION**

Element in preseparation counseling for members of the Armed Forces on assistance and support services for caregivers of certain veterans through the Department of Veterans Affairs (sec. 541)

The Senate amendment contained a provision (sec. 542) that would amend section 1142(b) of title 10, United States Code, to include an element in servicemembers' preseparation counseling describing the assistance and support services for family caregivers of eligible veterans under the program conducted by the Secretary of Veterans Affairs pursuant to section 1720G of title 38, United States Code. Additionally, the provision would require the service secretaries, within 180 days of the date of the enactment of this Act, to permit a caregiver, at the election of the servicemember who may require caregiver services, to participate in appropriate sessions of the servicemember's preseparation counseling to become informed of assistance and support services available to caregivers and to understand better how the servicemember's transition to civilian life may impact the caregiver.

The House bill contained no similar provision.
The House recedes.

Improved employment assistance for members of the Army, Navy, Air Force, and Marine Corps and veterans (sec. 542)

The House bill contained a provision (sec. 619) that would amend section 1143 of title 10, United States Code, to require the Secretary of Defense and the Secretary of Homeland Security with respect to the Coast Guard to establish a database to record all training performed by members of the Armed Forces that may have application in the civilian sector; to improve the accuracy of the certification of training and skills provided by the secretaries; and to improve the timeliness of requests for certification of members’ civilian job skills.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would limit the authority to members of the Army, Navy, Air Force, Marine Corps, and veterans.

Limitation on release of military service academy graduates to participate in professional athletics (sec. 543)

The House bill contained a provision (sec. 541) that would amend sections 4348(a), 6959(a), and 9348(a) of title 10, United States Code, to prohibit military service academy graduates from seeking release from their commissioned service obligations to pursue a career as a professional athlete.

The Senate amendment contained a provision that would amend section 4348(a), section 6959(a), and section 9348(a) of title 10, United States Code, to authorize a graduate of a military service academy who is selected to participate in professional athletics to accept an appointment as a commissioned officer as a member of the Selected Reserve until completion of the commissioned service obligation.

The Senate recedes with an amendment that would amend sections 4348(a), 6959(a), and 9348(a) of title 10, United States Code, to prohibit military service academy graduates from seeking release from their commissioned service obligations to pursue a career as a professional athlete until the completion of at least two consecutive years of commissioned service.

Two-year extension of suicide prevention and resilience program for the National Guard and Reserves (sec. 544)

The House bill contained a provision (sec. 544) that would amend section 10219(g) of title 10, United States Code, to extend the authority for suicide prevention and resilience
programs for the National Guard and Reserves until October 1, 2019.

The Senate amendment contained a provision (sec. 547) that would amend section 10219(g) of title 10, United States Code, to extend the authority for suicide prevention and resilience programs for the National Guard and Reserves until October 1, 2020.

The House recedes.

Annual certifications related to Ready, Relevant Learning Initiative of the Navy (sec. 545)

The Senate amendment contained a provision (sec. 541) that would require the Secretary of the Navy to submit to the Committees on Armed Services of the Senate and House of Representatives an annual certification regarding the Navy’s Ready Relevant Learning (RRL) initiative.

The House bill contained no similar provision.

The House recedes with a clarifying amendment.

The conferees view Navy’s RRL initiative as a fundamental transformation in training, based on more than 87 percent of Navy enlisted ratings being affected and more than $1.0 billion taken from traditional training billets to fund developmental software-based training applications. Accordingly, the conferees believe continued close oversight of RRL and similar initiatives is warranted to ensure training standards and proficiency are maintained.

Authority to expand eligibility for the United States Military Apprenticeship Program (sec. 546)

The House bill contained a provision (sec. 547) that would require the Secretary of Defense, within 180 days after the date of the enactment of this Act, to expand eligibility for the United States Military Apprenticeship Program to include any member of the uniformed services.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would give discretionary authority to the Secretary of Defense to expand eligibility for the United States Military Apprenticeship Program to include any member of the uniformed services.

Limitation on availability of funds for attendance of Air Force enlisted personnel at Air Force officer professional military education in-residence courses (sec. 547)
The Senate amendment contained a provision (sec. 545) that would prohibit the obligation or expenditure of funds for the purpose of Air Force enlisted personnel attending Air Force officer professional military education courses until the later of: (1) The date on which the Secretary of the Air Force submits to the Committees on Armed Services of the Senate and the House of Representatives, and to the Comptroller General of the United States, a report on the attendance of such personnel at such courses; (2) The date on which the Comptroller General of the United States submits to such committees a report setting forth an assessment of such report; or (3) 180 days after the date of the enactment of this Act.

The House bill contained no similar provision.

The House recedes.

**Lieutenant Henry Ossian Flipper Leadership Scholarships (sec. 548)**

The House bill contained a provision (sec. 543) that would require the Secretary of the Army to carry out a program to provide assistance to a person who is pursuing a recognized post-secondary credential at a minority-serving institution. An individual receiving financial assistance under this provision would be required to enter into a service agreement with the Secretary for an obligated period of military service.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of the Army to designate a number of scholarships available to students at minority-serving institutions under the Army Senior Reserve Officers' Training Corps (SROTC) as "Lieutenant Henry Ossian Flipper Leadership Scholarships." The provision would authorize the Secretary to increase the amount of any scholarship in excess of the amount of the SROTC program scholarship offered at the minority-serving institution if the Secretary considers it appropriate for the purpose of the scholarship.

**Pilot programs on appointment in the excepted service in the Department of Defense of physically disqualified former cadets and midshipmen (sec. 549)**

The Senate amendment contained a provision (sec. 544) that would authorize the secretary of each military department to carry out a pilot program for the purpose of evaluating the feasibility and advisability of allowing eligible individuals who cannot accept a commission or complete a period of Active Duty due to physical disqualification to fulfill an Active Duty
service obligation through service as Department of Defense civilian employees in the excepted service. This pilot authority would sunset 4 years after the date of enactment of this Act.

The House bill contained no similar provision.

The House recedes with an amendment that adds a reporting requirement for each Secretary of a military department to submit to the appropriate congressional committees a report containing an evaluation of the effectiveness of the pilot program conducted by such Secretary three years after the date of enactment of this Act. The report shall include the number of eligible individuals appointed as civilian employees of the Department of Defense under the program and the retention rate for such employees.

**SUBTITLE F—DEFENSE DEPENDENTS’ EDUCATION AND MILITARY FAMILY READINESS MATTERS**

**PART I—DEFENSE DEPENDENTS’ EDUCATION MATTERS**

**Assistance to schools with military dependent students (sec. 551)**

The House bill contained a provision (sec. 551) that would authorize $50.0 million in Operation and Maintenance, Defense-wide, for continuation of the Department of Defense (DOD) assistance program to local educational agencies impacted by enrollment of dependent children of military members and DOD civilian employees.

The Senate amendment contained a provision (sec. 552) that would authorize $25.0 million in Operation and Maintenance, Defense-wide, for continuation of the DOD assistance program to local educational agencies impacted by enrollment of dependent children of military members and DOD civilian employees.

The Senate amendment also contained a provision (sec. 551) that would authorize $10.0 million in Operation and Maintenance, Defense-wide, for impact aid payments for children with disabilities (as enacted by Public Law 106-398; 114 Stat. 1654A-77; 20 U.S.C. 7703a) using the formula set forth in section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106-398). Subsection (b) of that provision would allow the Secretary of Defense to use $5.0 million, of the total amount authorized, for payments to local educational agencies with higher concentrations of military children with severe disabilities, at his discretion and without

The House recedes with an amendment that would authorize $40.0 million in supplemental impact aid and $10.0 million for impact aid for children with severe disabilities. The amendment would allow the Secretary of Defense, at his discretion, to use $5.0 million, of the total amount authorized, for payments to local educational agencies with higher concentrations of military children with severe disabilities.

Transitions of military dependent students from Department of Defense dependent schools to other schools and among schools of local educational agencies (sec. 552)


The Senate recedes with an amendment that would provide permanent authority to the Department of Defense relating to transition and support of military dependent students to local educational agencies.

Report on educational opportunities in science, technology, engineering, and mathematics for children who are dependents of members of the Armed Forces (sec. 553)

The Senate amendment contained a provision (sec. 5508) that would require the Secretary of Defense to issue guidance to the Armed Forces, not later than 1 year after the date of the enactment of this Act, to ensure: (1) Placement of a priority on supporting early learning in science, technology, engineering, and mathematics (STEM) for children in Department of Defense
(DOD) schools and in schools serving large military child populations; and (2) Support for efforts that school staff serving military children have the training and skills to teach STEM subjects. The provision would also require the Secretary to submit a report to the congressional defense committees, not later than 2 years from the date of the enactment of this Act, that describes and assesses: (1) Progress towards improving educational opportunities and achievement in STEM subjects; and (2) Efforts to implement the guidance required under this provision.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to submit, not later than 2 years after the date of the enactment of this Act, a report to the congressional defense committees containing a description and assessment of: (1) Current DOD programs to improve opportunities for STEM education for military children; and (2) Efforts to increase opportunities and achievement in STEM education for military children.

The conferees note that military children face unique challenges in educational achievement due to frequent changes of station and deployments of their parents. Investing in quality education opportunities for all military children ensures parents can stay focused on the mission, and this investment is an important element in a comprehensive strategy for ensuring a smart, skilled, and committed future national security workforce. Therefore, the conferees recommend that the Secretary of Defense develop and issue guidance to relevant organizations in DOD supporting early learning in STEM subjects for children, including those at DOD schools and local schools serving large military child populations, and support efforts to ensure that curriculum specialists, trainers, and teachers serving military children have the training and skills necessary to implement instruction in STEM subjects that provide the necessary foundation for future learning and educational achievement in such areas.

PART II—MILITARY FAMILY READINESS MATTERS

Codification of authority to conduct family support programs for immediate family members of members of the Armed Forces assigned to special operations forces (sec. 555)

The House bill contained a provision (sec. 553) that would make permanent the authority provided by section 554 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66), as modified by section 574(a) of the National
Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) by adding a new section to chapter 88 of title 10, United States Code. The section would provide the Commander, U.S. Special Operations Command the authority to conduct programs for immediate family members of members of the Armed Forces assigned to special operations forces.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the submission of an annual report on family support programs conducted pursuant to this authority.

Reimbursement for State licensure and certification costs of a spouse of a member of the Armed Forces arising from relocation to another State (sec. 556)

The House bill contained a provision (sec. 554) that would amend section 476 of title 37, United States Code, to permit the Secretary of a military department or the Secretary of Homeland Security to reimburse a member of the Armed Forces up to $500 for a spouse's expenses related to obtaining licensing or certification in another State incident to a permanent change of station. This section would also require the Secretary of Defense and the Secretary of Homeland Security to work with States to improve the portability of licenses and certifications between States.

The Senate amendment contained a provision (sec. 561) that would direct the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives on the feasibility and advisability of establishing and maintaining a joint federal-state clearinghouse and task force to process the professional license and credential information of military spouses and provides assistance and other resources for military spouses seeking to obtain professional licenses or credentials in other States.

The Senate recedes with an amendment that would place a five-year sunset on the House provision and require a report one year before the sunset of the authority.

Temporary extension of extended period of protections for members of uniformed services relating to mortgages, mortgage foreclosure, and eviction (sec. 557)

The Senate amendment contained a provision (sec. 14004) that would amend section 710(d) of the Honoring America’s Veterans and Caring for Camp Lejeune Families Act of 2012 (Public Law 112-154) to extend by two years the protections for
members of the Uniformed Services relating to mortgages, mortgage foreclosure, and eviction contained therein. The House bill contained no similar provision. The House recedes.

Enhancing military childcare programs and activities of the Department of Defense (sec. 558)

The House bill contained a provision (sec. 556) that would require the Department of Defense to set and maintain the hours of operation of childcare development centers, as practicable, in a manner that considers the demands and circumstances of members of the Armed Forces, including members of the reserve component. The provision would also require the service secretaries to provide a childcare coordinator at each military installation under their jurisdiction where significant numbers of members of the Armed Forces with accompanying dependent children are stationed.

The Senate amendment contained a similar provision (sec. 562).

The Senate recedes with an amendment that would require the service secretaries to ensure the hours of operation of childcare development centers under their jurisdiction are established and maintained in a manner that considers the demands and circumstances of members of the Armed Forces, including members of the reserve component. The amendment would also authorize the service secretaries to provide for a childcare coordinator at each military installation under their jurisdiction where significant numbers of members of the Armed Forces with accompanying dependent children are stationed.

Direct hire authority for Department of Defense for childcare services providers for Department child development centers (sec. 559)

The Senate amendment contained a provision (sec. 557) that would provide the Secretary of Defense with direct hire authority to recruit and appoint qualified childcare services providers to positions within the Department of Defense Child Development Centers. The Secretary shall prescribe the regulations required and commence implementation of such direct hire authority no later than May 1, 2018.

The House bill contained no similar provision. The House recedes with an amendment that requires the Department of Defense to certify that there is a critical hiring need, sets a sunset date of September 30, 2021, and directs the Secretary of Defense to brief the Committees on Armed Services
of the Senate and the House of Representatives, the Committee on Oversight and Government Reform of the House of Representatives, and the Committee on Homeland Security and Government Affairs of the Senate no later than December 31, 2019 and 2021, on the use of this authority and any modifications necessary to overcome perennial staffing shortages in the Department’s child development centers.

Pilot program on public-private partnerships for telework facilities for military spouses on military installations outside the United States (sec. 560)

The Senate amendment contained a provision (sec. 560) that would require the Secretary of Defense to carry out a pilot program to assess the feasibility and advisability of providing telework facilities for military spouses on military installations outside the United States to the extent that space is available for such facilities. The provision would require the pilot program be conducted at no less than two military installations outside the United States selected by the Secretary for up to 3 years in duration, in consultation with the host nation. The pilot program would be conducted as one or more public-private partnerships between the Department of Defense and a private corporation or partnership of private corporations with up to $1.0 million authorized to be available to carry out the program. Additionally, the pilot program would be required to comply with existing status of forces agreements with host nations or pursuant to appropriate modifications of such agreements.

The House bill contained no similar provision.

The House recedes.

**SUBTITLE G—DECORATIONS AND AWARDS**

Authorization for award of the Medal of Honor to Garlin M. Conner for acts of valor during World War II (sec. 561)

The Senate amendment contained a provision (sec. 5507) that would authorize the President, notwithstanding the time limitations specified in section 3744 of title 10, United States Code, or any other time limitation with respect to awarding certain medals to members of the Armed Forces, to award the Medal of Honor under section 3741 of such title to Garlin M. Conner for acts of valor during World War II.

The House bill contained no similar provision.

The House recedes.
Authorization for award of Distinguished-Service Cross to Specialist Frank M. Crary for acts of valor in Vietnam (sec. 562)

The Senate amendment contained a provision (sec. 572) that would authorize the President to award the Distinguished-Service Cross to Specialist Frank M. Crary for acts of valor while serving in Vietnam with Company D, 1st Battalion (Airborne), 12th Cavalry Regiment, 1st Cavalry Division on April 7, 1966. The House bill contained no similar provision. The House recedes with a technical amendment.

SUBTITLE H—MISCELLANEOUS REPORTING REQUIREMENTS

Analysis and report on accompanied and unaccompanied tours of duty in remote locations with high family support costs (sec. 571)

The Senate amendment contained a provision (sec. 582) that would require the Secretary of Defense to initiate a comprehensive review of the policies for determining which posts are accompanied, which are unaccompanied, and the extent to which the costs to the taxpayers and security risks to family members are considered. The House bill contained no similar provision. The House recedes with an amendment specifying further locations to be reviewed.

The conferees are concerned with the significant costs associated with maintaining accompanied tours at remote locations. The proposed new 52 family housing units on Kwajalein would cost over $1.3 million each. The proposed $250.0 million replacement hospital at Guantanamo Bay would cost $50.0 million per bed. Costs for school construction and support are also significantly higher at these remote locations than they are in the United States, which is a primary reason why locations such as Diego Garcia are unaccompanied.

Review and reports on policies for regular and reserve officer career management (sec. 572)

The Senate amendment contained a provision (sec. 516) that required the Secretary of Defense to provide a report to the Committees on Armed Services of the Senate and the House of Representatives setting forth results of a review of the Defense
Officer Personnel Management Act and the Reserve Officer Personnel Management Act.

The House bill contained no similar provision.

The House recedes with an amendment that would expand the matters under review. The amendment would also require an initial report to the Committees on Armed Services of the Senate and the House of Representatives not later than March 1, 2018, and a final report to these committees not later than July 31, 2018.

Review and report on effects of personnel requirements and limitations on the availability of members of the National Guard for the performance of funeral honors duty for veterans (sec. 573)

The Senate amendment contained a provision (sec. 513) that would require the Secretary of Defense to review certain end-strength limitations on the number of National Guard that may be on Active Duty to determine whether those limits unduly affect the ability of the Armed Forces to meet the demand for personnel to perform funeral honors in connection with funerals for veterans. The provision would require the Secretary to report to the Committees on Armed Services of the Senate and House of Representatives on the results of this review within six months of the date of enactment of this Act.

The House bill contained no similar provision.

The House recedes.

Review and report on authorities for the employment, use, and status of National Guard and Reserve technicians (sec. 574)

The Senate amendment contained a provision (sec. 1067) that would require the Secretary of Defense, in consultation with the Chief of the National Guard Bureau, the Chief of the Army Reserve, the Chief of the Air Force Reserve, and representatives of National Guard and Reserve technicians to submit to the Committees on Armed Services of the Senate and House of Representatives by no later than April 1, 2018, a report assessing the adequacy of current authorities for the employment, use, and status of military technicians, to include recommendations for statutory change. The purpose of the report would be to define the mission and requirements of military technicians, identify means to improve their management and administration, and identify means to enhance the capability of the Department of Defense to recruit and retain technicians.

The House bill contained no similar provision.

The House recedes with a technical amendment.
Assessment and report on expanding and contracting for childcare services of the Department of Defense (sec. 575)

The Senate amendment contained a provision (sec. 558) that would require the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives, not later than March 1, 2018, on the feasibility and advisability of the following: (1) Expanding the operating hours of childcare facilities of the Department of Defense in order to meet childcare services requirements for swing-shift, night-shift, and weekend workers; (2) Using contracts with private-sector childcare services providers to expand the availability of childcare services; (3) Contracting with private-sector childcare service providers to operate childcare facilities of the Department on military installations; and (4) Expanding childcare services to members of the National Guard and Reserves if such expansion does not substantially increase costs of childcare services for the military departments or conflict with others who have higher priority for space in childcare services programs.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to conduct an assessment on expanding and contracting for childcare services of the Department and to submit a report, not later than September 1, 2018, to the Committees on Armed Services of the Senate and the House of Representatives containing the results of the assessment.

Review and report on compensation provided childcare services providers of the Department of Defense (sec. 576)

The Senate amendment contained a provision (sec. 559) that would require the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives, not later than March 1, 2018, on a review of the General Schedule pay grades for childcare services provider positions within the Department of Defense.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to conduct a review of the compensation provided childcare services providers within the Department, including General Schedule positions and positions occupied by non-appropriated fund instrumentality employees. The Secretary would submit a report containing the results of the review to the Committees on Armed Services of the Senate and the House of Representatives not later than September 1, 2018.
Comptroller General of the United States assessment and report on the Office of Complex Investigations within the National Guard Bureau (sec. 577)

The Senate amendment contained a provision (sec. 512) that would amend chapter 1101 of title 10, United States Code, to establish the Office of Complex Investigations within the National Guard Bureau under the authority, direction, and control of the Chief of the National Guard Bureau.

The House bill contained no similar provision.

The House recedes with an amendment that would require an assessment, no later than October 31, 2018, by the Comptroller General of the United States on the purpose, structure, and effectiveness of the Office of Complex Investigations within the National Guard Bureau.

Modification of submittal date of Comptroller General of the United States report on integrity of the Department of Defense whistleblower program (sec. 578)

The Senate amendment contained a provision (sec. 581) that would amend section 536 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) to revise the due date for the report required of the Comptroller General of the United States in that section concerning the Department of Defense whistleblower program to December 31, 2018.

The House bill contained no similar provision.

The House recedes.

SUBTITLE I—OTHER MATTERS

Expansion of United States Air Force Institute of Technology enrollment authority to include civilian employees of the homeland security industry (sec. 581)

The House bill contained a provision (sec. 571) that would amend section 9314a of title 10, United States Code, to authorize homeland security industry employees employed by a private firm in one of the critical infrastructure sectors identified in Presidential Policy Directive 21 to attend the United States Air Force Institute of Technology.

The Senate amendment contained no similar provision.

The Senate recedes.

Conditional designation of Explosive Ordnance Disposal Corps as a basic branch of the Army (sec. 582)
The House bill contained a provision (sec. 505) that would designate the Explosive Ordnance Disposal Corps as a basic branch of the Army.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make the designation of the Explosive Ordnance Disposal Corps effective on October 1, 2020, but only if the Secretary of the Army fails to submit a report to the Committees on Armed Services of the Senate and the House of Representatives containing specified certifications by that date.

Designation of office within Office of the Secretary of Defense to oversee use of food assistance programs by members of the Armed Forces on active duty (sec. 583)

The Senate amendment contained a provision (sec. 5901) that would require the Secretary of Defense, not later than 90 days after the date of the enactment of this Act, to designate an office within the Office of the Secretary of Defense that would: (1) Oversee the Department's efforts to collect, analyze, and monitor use of food assistance programs by members of the Armed Forces on Active Duty; and (2) Establish and maintain relationships with other federal government departments and agencies to facilitate the responsibilities of the office.

The House bill contained no similar provision.

The House recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

Clarification of baselines for authorized numbers of general and flag officers on active duty and in joint duty assignments

The Senate amendment contained a provision (sec. 501) that would amend section 526 of title 10, United States Code, to clarify the active-duty and joint-duty assignment baselines for general and flag officers.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that, in accordance with section 503 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), the Marine Corps increased its number of general officers on active duty to 62.

Authority of promotion boards to recommend officers of particular merit be placed at the top of the promotion list
The Senate amendment contained a provision (sec. 502) that would amend section 616 of title 10, United States Code, to authorize an officer promotion board to recommend Active-Duty officers of particular merit be placed at the top of the promotion list.

The House bill contained no similar provision.

The Senate recedes.

Direct employment pilot program for members of the National Guard and Reserve

The House bill contained a provision (sec. 504) that would authorize the Secretary of Defense to create a pilot program to provide job placement assistance and related employment services directly to members of the National Guard and Reserve.

The Senate amendment contained no similar provision.

The House recedes.

Authority for officers to opt-out of promotion board consideration

The Senate amendment contained a provision (sec. 510A) that would authorize service secretaries to provide that an active and reserve component officer may, upon the officer's request, be excluded from consideration by a promotion selection board.

The House bill contained no similar provision.

The Senate recedes.

Inclusion of specific email address block on certificate of release or discharge from active duty (DD Form 214)

The House bill contained a provision (sec. 514) that would require the Secretary of Defense to modify the Certificate of Release or Discharge from Active Duty (DD Form 214) to include a specific block explicitly identified as the location in which a member of the Armed Forces may provide one or more email addresses by which the member may be contacted after discharge or release from active duty in the Armed Forces.

The Senate amendment contained no similar provision.

The House recedes.

Plan to meet demand for cyberspace career fields in the reserve components of the Armed Forces

The Senate amendment contained a provision (sec. 515) that would direct the Secretary of Defense to submit to Congress a
report setting forth a plan for meeting the increased demand for
cyberspace career fields in the reserve components of the Armed
Forces.

The House bill contained no similar provision.
The Senate recedes.

Responsibility of Chiefs of Staff of the Armed Forces for
standards and qualifications for military specialties within the
Armed Forces

The Senate amendment contained a provision (sec. 517) that
would vest in the Chief of Staff of each of the Armed Forces the
responsibility for establishing, approving, and modifying the
criteria, standards, and qualifications for military specialty
codes within that Armed Force. The Secretary of Defense will
still retain oversight authority.
The House bill contained no similar provision.
The Senate recedes.

Revision to Manual for Courts-Martial with respect to
dissemination of visual depictions of private areas or sexually
explicit conduct without the consent of the person depicted

The Senate amendment contained a provision (sec. 521) that
would require the President, not later than 180 days after the
date of the enactment of this Act, to amend part IV of the
Manual for Courts-Martial to include as an enumerated offense
under section 934 of title 10, United States Code (article 134
of the Uniform Code of Military Justice), the distribution of a
visual depiction of the private area of a person or of sexually
explicit conduct involving a person that was (1) Photographed,
videotaped, filmed, or recorded by any means with the consent of
such person; and (2) Distributed by another person who knew or
should have known that the depicted person did not consent to
such distribution.
The House bill contained no similar provision.
The Senate recedes.

Minimum confinement period required for conviction of certain
sex-related offenses committed by members of the Armed Forces

The House bill contained a provision (sec. 522) that would
amend section 856(b)(1) of title 10, United States Code (article
56(b)(1) of the Uniform Code of Military Justice), to include a
two-year mandatory minimum period of confinement for
servicemembers convicted of certain sex-related offenses.
The Senate amendment contained no similar provision.
Information for the Special Victims' Counsel or Victims' Legal Counsel

The House bill contained a provision (sec. 524) that would amend section 1044e(b)(6) of title 10, United States Code, to require that, if there is a military prosecution of an alleged sex-related offense, the Special Victims' Counsel or Victims' Legal Counsel representing the victim shall be entitled to a copy of all case information and documentation that are in the possession of the prosecutor, relevant to such military prosecution, and not privileged.

The Senate amendment contained no similar provision.

The conferees note the importance and success of the Special Victims’ Counsel and Victims’ Legal Counsel programs. However, in order for the Special Victims’ Counsel and Victims’ Legal Counsel to represent effectively their clients during a military prosecution, they must have fair and open access to non-privileged information related to the crimes committed against their clients. Therefore, the conferees encourage the President to include a provision in the Rules for Courts-Martial establishing that Special Victims’ Counsel and Victims’ Legal Counsel are entitled to non-privileged case information and documentation relevant to the crimes committed against their clients.

Consistent access to Special Victims' Counsel for former dependents of members of the Armed Forces

The House bill contained a provision (sec. 530) that would require, not later than one year after the date of the enactment of this Act, the Secretary of the Navy to revise Navy policy regarding the eligibility of former dependents of members of the Armed Forces to representation by a Victims’ Legal Counsel so that Navy policy is consistent with Army and Air Force policy.

The Senate amendment contained no similar provision.

The conferees note that the Navy has already complied with this provision and issued the new policy.

Inclusion of additional information in annual SAPRO reports

The House bill contained a provision (sec. 531) that would define "sexual assault" and "sexual coercion" in the Department of Defense's annual report on sexual assault in the military.
The Senate amendment contained no similar provision.
The House recedes.

Sexual assault prevention and response

The House bill contained a provision (sec. 532) that would require the Secretary of the Army, the Director of the Sexual Harassment / Assault Response and Prevention Program Office of the Army National Guard, and the Chief of the National Guard Bureau to take certain actions related to sexual assault prevention and response.
The Senate amendment contained no similar provision.
The House recedes.
The conferees direct the Department of Defense to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives no later than March 1, 2018 on the status of the Department's implementation of the Government Accountability Office's recommendations in GAO-17-217 report, dated February 2017, titled "Sexual Assault: Better Resource Management Needed to Improve Prevention and Response in the Army National Guard and Army Reserve."

Report on availability of postsecondary credit for skills acquired during military service

The Senate amendment contained a provision (sec. 533) that would require the Secretary of Defense, in consultation with the Secretaries of the Departments of Veterans Affairs, Education, and Labor to submit to Congress, within 60 days after the date of the enactment of this Act, a report on the transfer of skills into equivalent post-secondary credits or technical certifications for members of the Armed Forces being discharged from the military.
The House bill contained no similar provision.
The Senate recedes.

ROTC Cyber Institutes at the senior military colleges

The House bill contained a provision (sec. 542) that would authorize the Secretary of Defense to carry out a program to establish a Reserve Officers' Training Corps Cyber Institute at each of the senior military colleges.
The Senate amendment contained no similar provision.
The House recedes.
The conferees note that the Secretary of Defense has the authority to establish Reserve Officers' Training Corps Cyber Institutes and encourage the Secretary to use this authority
with a particular focus on Reserve Officers' Training Corps programs at Universities that offer degrees in cyber studies and related fields.

Program to assist members in obtaining professional credentials

The House bill contained a provision (sec. 546) that would amend section 2015(a)(1) of title 10, United States Code, to provide flexibility in the requirements for participation of servicemembers in a program to help them obtain professional credentials.

The Senate amendment contained no similar provision.

The House recedes.

Pilot program on integration of Department of Defense and non-Federal efforts for civilian employment of members of the Armed Forces following transition from Active Duty to civilian life

The Senate amendment contained a provision (sec. 546) that would require the Secretary of Defense to conduct a pilot program, of 2 years duration, to assess the feasibility and advisability of assisting certain members of the Armed Forces transitioning from Active Duty to civilian life by accelerating and improving their access to employment through coordination, integration, and leveraging existing programs and authorities of the Department of Defense with programs and resources of state and local agencies, higher education institutions, employers, and other public, private, and nonprofit entities.

The Senate amendment contained another provision (sec. 10502) that would provide that section 546 would have no force or effect.

The Senate recedes.

The conferees observe that the military services have partnered closely with state and local communities to implement programs to help servicemembers gain post-military employment. The conferees are aware of several model re-employment initiatives in states such as Florida and Arizona. Therefore, the conferees encourage the Department of Defense to replicate these model programs in other states to ensure servicemembers can successfully transition from military service to civilian employment.

Use of assistance under Department of Defense Tuition Assistance Program for non-traditional education to develop cybersecurity and computer coding skills
The Senate amendment contained a provision (sec. 549) that would require a briefing by the Secretary of Defense, no later than 60 days after the date of the enactment of this Act, to the Committees on Armed Services of the Senate and the House of Representatives on the feasibility and advisability of the enactment into law of using the Department of Defense Tuition Assistance Program for courses or programs of education in cybersecurity skills or related skills and computer coding skills or related skills.

The House bill contained no similar provision.

The Senate recedes.

Sense of Senate on increasing enrollment in senior reserve officers' training corps programs at minority-serving institutions

The Senate amendment contained a provision (sec. 550) that would express the Sense of the Senate that the Armed Forces should take appropriate actions to increase enrollment in Senior Reserve Officers' Training Corps (SROTC) programs at minority serving institutions.

The House bill contained no similar provision.

The Senate recedes.

Education for dependents of certain retired members of the Armed Forces

The House bill contained a provision (sec. 552) that would amend Section 2164(a) of title 10, United States Code, to authorize dependents of retirees to be enrolled in Department of Defense domestic dependent elementary and secondary schools.

The Senate amendment contained no similar provision.

The Senate recedes.

Replacement of military decorations at the request of relatives of deceased members of the Armed Forces

The House bill contained a provision (sec. 561) that would amend subsection (a) of section 1135 of title 10, United States Code, to require the secretary concerned to replace, on a one-time basis, a military decoration upon the request of either the recipient or the immediate next of kin of a deceased recipient without charge. Additionally, the provision would authorize replacement, at no cost to the Department of Defense, of decorations of a deceased recipient at the request of second or third degree relatives of the recipient.

The Senate amendment contained no similar provision.
The House recedes.
The conferees note that section 1135 of title 10, United States Code, currently requires the military departments to provide military decorations, on a one-time basis without charge, upon the request of the recipient of a decoration or the immediate next of kin of a deceased recipient. In addition, military medals, other than the Medal of Honor, may be purchased from commercial sources, and the conferees agree that distant relatives of family members should purchase decorations from those sources directly instead of requiring the Department to develop a system to provide medals at cost to distant relatives.

**Congressional Defense Service Medal**

The House bill contained a provision (sec. 562) that would amend chapter 57 of title 10, United States Code, to establish the Congressional Defense Service Medal, which would be awarded by the Secretary of Defense, at the behest of and on behalf of Congress, to groups or other entities that have distinguished themselves by exemplary service or significant achievement in furtherance of the defense and national security of the United States.

The Senate amendment contained no similar provision.

The House recedes.

**Limitations on authority to revoke certain military decorations awarded to members of the Armed Forces**

The House bill contained a provision (sec. 563) that would amend chapters 357, 567, and 857 of title 10, United States Code, to limit the authority of the President or Secretary of a military department to authorize the revocation of a military decoration after the actual award of the military decoration to a member of the Armed Forces under the jurisdiction of the applicable Secretary.

The Senate amendment contained no similar provision.

The House recedes.

**Mechanisms to facilitate the obtaining by military spouses of occupational licenses or credentials in other states**

The Senate amendment contained a provision (sec. 563) that would require the Secretary of Defense to develop and maintain, not later than March 1, 2018, a joint federal-state clearinghouse to process the occupational license and credential information of military spouses. The provision would also require development and maintenance of an Internet web site to
serve as a comprehensive resource on occupational licensure and credentialing for military spouses. In addition, the provision would require the Secretary to submit a report to the Committees on Armed Services of the Senate and the House of Representatives that provides an assessment of the feasibility of establishment of a joint federal-state task force dedicated to the elimination of unnecessary or duplicative occupational licensure and credentialing requirements among the states.

The House bill contained no similar provision.

The Senate recedes.

**Award of Vietnam Service Medal to veterans who participated in Mayaguez rescue operation**

The House bill contained a provision (sec. 564) that would require the Secretary of the military department concerned to award the Vietnam Service Medal to a veteran who was awarded the Armed Forces Expeditionary Medal for participation in military operations known as the Mayaguez rescue operation of May 12-15, 1975 or who participated in such operation, upon application by or on behalf of an eligible veteran.

The Senate amendment contained no similar provision.

The House recedes.

**Award of medals or other commendations to handlers of military working dogs and military working dogs**

The House bill contained a provision (sec. 565) that would require the service secretaries to carry out a program to provide for the award of medals or commendations to military working dog handlers and military working dogs to recognize valor or meritorious achievement.

The Senate amendment contained no similar provision.

The House recedes.

**Eligibility of veterans of Operation End Sweep for Vietnam Service Medal**

The House bill contained a provision (sec. 566) that would require the Secretary of the military department concerned to award the Vietnam Service Medal to an individual who participated in Operation End Sweep, upon application of such individual.

The Senate amendment contained no similar provision.

The House recedes.
Expedited replacement of military decorations for veterans of World War II and the Korean War

The House bill contained a provision (sec. 567) that would amend section 1135 of title 10, United States Code, to require that all actions to be taken with respect to a request to replace a military decoration for service in World War II or the Korean War are completed in not more than 180 days and that the replacement military decoration is mailed to the person requesting it in not more than 60 days after verification of the service record.

The Senate amendment contained no similar provision.
The House recedes.

The conferees encourage the service secretaries to expedite the replacement of military decorations for service in World War II and the Korean War.

Atomic Veterans Service Medal

The House bill contained a provision (sec. 568) that would require the Secretary of Defense to design and produce a military service medal to be known as the "Atomic Veterans Service Medal" to honor retired and former members of the Armed Forces who are radiation-exposed veterans.

The Senate amendment contained no similar provision.
The House recedes.

Authority of Secretary of the Army to award the Personnel Protection Equipment award of the Army to former members of the Army

The Senate amendment contained a provision (sec. 571) that would authorize the Secretary of the Army to award the Personnel Protection Equipment award of the Army to former members of the Army.

The House bill contained no similar provision.
The Senate recedes.

Servicemembers' Group Life Insurance

The House bill contained a provision (sec. 572) that would amend section 1967(f)(4) of title 38, United States Code, by striking the second sentence of such paragraph, regarding the failure to notify a member's spouse in a timely manner of certain elections and beneficiary designations.

The Senate amendment contained no similar provision.
The House recedes.
Voter registration

The House bill contained a provision (sec. 573) that would amend section 705 of the Servicemembers Civil Relief Act (50 U.S.C. 4025), to provide that, for purposes of voting in any election for Federal, State, or local office, a servicemember who registers to vote in a State in which the servicemember is present in compliance with military orders for a permanent change of station shall not, solely by reason of that registration, be deemed to have acquired a residence or domicile in that State, be deemed to have become a resident in or a resident of that State, or be deemed to have lost a residence or domicile in any other State, without regard to whether or not the person intends to return to that State.

The Senate amendment contained no similar provision.

The House recedes.

Sense of Congress regarding section 504 of title 10, United States Code, on existing authority of the Department of Defense to enlist individuals, not otherwise eligible for enlistment, whose enlistment is vital to the national interest

The House bill contained a provision (sec. 574) that would express the sense of Congress that a statute currently exists, specifically paragraph (2) of subsection (b) of section 504 of title 10, United States Code, that allows the secretary concerned to authorize the enlistment of certain non-citizens if the secretary determines that such enlistment is vital to the national interest.

The Senate amendment contained no similar provision.

The House recedes.

Sense of Congress regarding nondiscrimination at United States Military Academy

The House bill contained a provision (sec. 575) that would express the sense of Congress affirming the nondiscrimination policy of the United States Military Academy.

The Senate amendment contained no similar provision.

The House recedes.

Issuance of consolidated pregnancy and parenthood instruction

The House bill contained a provision (sec. 577) that would require the Secretary of Defense to ensure that each military department issues a single, consolidated instruction that addresses the decisions, actions, and requirements for members
of the Armed Forces relating to pregnancy, the postpartum period, and parenthood.

The Senate amendment contained no similar provision. The House recedes.

The conferees note that the Department of Defense has issued the necessary Department of Defense wide policy that provides a uniform standard across the military departments.

Proof of period of military service for purposes of interest rate limitation under the Servicemembers Civil Relief Act

The House bill contained a provision (sec. 578) that would amend section 207(b)(1) of the Servicemembers Civil Relief Act, section 3937(b)(1) of title 50, United States Code, to modify the types of proof of military service required for purposes of obligation or liability of the servicemember to be subject to interest rate limitations.

The Senate amendment contained no similar provision. The House recedes.

Report regarding possible improvements to processing retirements and medical discharges

The House bill contained a provision (sec. 579) that would require the Secretary of Defense, in consultation with the Secretary of Veterans Affairs, to issue a report, not later than 180 days after the date of the enactment of this Act, to the congressional defense committees and the Committees on Veterans’ Affairs of the Senate and House of Representatives regarding possible improvements to the transition of members of the Armed Forces to veteran status.

The Senate amendment contained no similar provision. The House recedes.

Establishment of separation oath for members of the Armed Forces

The House bill contained a provision (sec. 580) that would establish a separation oath for members of the Armed Forces.

The Senate amendment contained no similar provision. The House recedes.

Authorization of support for Beyond Yellow Ribbon program

The Senate amendment contained a provision (sec. 583) that would amend section 582 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181) to authorize the Secretary of Defense to award grants to states to conduct
programs that provide deployment cycle information, services, and referrals to active and reserve component servicemembers and their families throughout the deployment cycle.

The House bill contained no similar provision.

The Senate recedes.

The conferees support continued execution by the military services of the Yellow Ribbon Program, as well as activities and support that have become known as Beyond the Yellow Ribbon Program, which include employment counseling, behavioral health counseling, suicide prevention, housing advocacy, and financial counseling. The conferees urge the military services to continue providing these important services to military members separating or transitioning from Active Duty.

Criminal background checks of employees of the military child care system and providers of child care services and youth program services for military dependents

The Senate amendment contained a provision (sec. 5501) that would amend sections 1792 and 1798 of title 10, United States Code, to require that criminal background checks of employees in child development centers of the Department of Defense (DOD) and providers of child care services and youth program services for military dependents shall be in accordance with the provisions in section 658H of the Child Care and Development Block Grant Act of 1990 (42 U.S.C. 9858f).

The House bill contained no similar provision.

The Senate recedes.

The conferees strongly believe in the protection of children from potential predators working in child development centers, child care services programs, and youth services programs. Currently, DOD conducts rigorous criminal background checks, compliant with existing law, on all potential employees of DOD child care and youth services programs. The conferees urge DOD to continue its thorough employee criminal background check process to ensure the safety of all children in those programs.

Review of TAP for women

The Senate amendment contained a provision (sec. 5502) that would require the Secretary of Defense to conduct a comprehensive review of the Transition Assistance Program (TAP) to ensure it addresses the unique challenges and needs of service women transitioning from the Armed Forces to civilian life.

The House bill contained no similar provision.
The Senate recedes.

Annual report on participation in the Transition Assistance Program for members of the Armed Forces

The Senate amendment contained a provision (sec. 5503) that would require an annual report on participation in the transition assistance program for members of the Armed Forces. The House bill contained no similar provision.

The Senate recedes.

Air Force pilot program on education and training and certification of secondary and post-secondary students as aircraft technicians

The Senate amendment contained a provision (sec. 6001) that would require the Secretary of the Air Force to conduct a pilot program to assess the feasibility and advisability of providing education and training to secondary and post-secondary students in the skills and qualifications required to become aircraft technicians, and to provide authority to employ such individuals in the Air Force as technicians.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Comptroller General of the United States to review the adequacy of the aircraft maintainer workforce within the Air Force, including an assessment of the Air Force’s requirements for maintainers, the extent and nature of any shortfall, and the Air Force’s ability to satisfy these requirements, including an assessment of private sector competition for individuals possessing these skills. The report shall specifically consider the utility of establishing a pilot program such as described in section 6001 of the Senate-passed bill as a method of overcoming any shortfall or failure to effectively compete with the private sector. The conferees direct the Comptroller General to report to the Committees on Armed Serves of the Senate and the House of Representatives by no later than one year after the date of enactment of this Act on the results of this review together with recommendations for how best to address the maintainer shortfall.

Pilot program on integration of Department of Defense and non-Federal efforts for civilian employment of members of the Armed Forces

The Senate amendment contained a provision (sec. 10503) that would require the Secretary of Defense to conduct a pilot
program to assess the feasibility of a program to improve the transition of members of the Armed Forces from active service to civilian life through better coordination of existing Department of Defense programs with similar programs conducted by States, local agencies, institutions of higher education, employers, and other public, private, and non-profit entities.

The House bill contained no similar provision.

The Senate recedes.

**TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS**

**SUBTITLE A—PAY AND ALLOWANCES**

*Annual adjustment of basic monthly pay (sec. 601)*

The House bill contained a provision (sec. 601) that would authorize a pay raise of 2.4 percent for all members of the uniformed services effective January 1, 2018.

The Senate amendment contained a similar provision (sec. 601) that would authorize a pay raise of 2.1 percent for all members of the uniformed services effective January 1, 2018.

The Senate recedes.

*Prohibiting collection of additional amounts from members living in units under Military Housing Privatization Initiative (sec. 602)*

The House bill contained a provision (sec. 2817) that would add section 2879 to sub-chapter IV of chapter 169 of title 10, United States Code, to prohibit the collection of additional out of pocket fees from service members living in Military Housing Privatization Initiative housing.

The Senate amendment contained no similar provision.

The Senate recedes.

*Limitation on modification of payment authority for Military Housing Privatization Initiative housing (sec. 603)*

The House bill contained a provision (sec. 602) that would temporarily prohibit the Secretary of Defense from further reducing the basic allowance for housing (BAH) below the level established for fiscal year 2018 for service members residing in Military Housing Privatization Initiative (MHPI) housing until 2019. The provision would also require the Comptroller General
of the United States to submit a report to the Committees on Armed Services of the Senate and the House of Representatives on the Department of Defense’s management of MHPI and plans and alternatives considered for ensuring the continued viability of MHPI projects.

The Senate amendment contained no similar provision. The Senate recedes with a technical amendment.

The conferees strongly believe that military families must be provided with on-base housing that is safe, properly maintained, and periodically modernized. The current MHPI agreements are structured to include the recapitalization effort through receipt of the service members BAH as calculated for the military housing area by the Department of Defense. Section 403(b) of title 37 requires a 1% reduction in the BAH rate per year starting in 2015 until the total reduction is 5% below the calculated rate. The reduction for 2018 would total 4%. The conferees note that the BAH reduction will have an effect on the long-term recapitalization effort for MHPI housing. The Senate amendment would require the Department of Defense to pay to lessors of MHPI projects in 2018 the equivalent of 1 percent of BAH, effectively nullifying the 2018 reduction for those projects. Upon completion of the Comptroller General’s report, the conferees expect the Secretary of Defense, and the military services together with their MHPI partners, to review the report, and develop a plan to ensure the solvency and viability of MHPI projects in a manner that does not depend on out-of-pocket contributions by service members who reside in MHPI housing. The conferees believe strongly that this is a problem that the military services and their MHPI partners must solve together, within the next year, project-by-project if necessary. The conferees direct the Department, upon devising plan described herein, to brief the Committees on Armed Services of the Senate and the House of Representatives on that plan.

**Housing treatment for certain members of the Armed Forces, and their spouses and other dependents, undergoing a permanent change of station within the United States (sec. 604)**

The Senate amendment contained a provision (sec. 556) that would amend chapter 7 of title 37, United States Code, to require the Secretary of Defense to prescribe regulations that permit certain servicemembers undergoing permanent change of station relocations within the United States to request special housing treatment for spouses and dependents. Under this provision, certain spouses and dependents would be: (1) Eligible to continue living in government-owned or government-leased housing; and (2) Eligible for early housing in government-owned
or government-leased housing. This provision would also authorize a servicemember to be eligible, on a space-available basis, either for temporary use of government-owned or government-leased housing or an equitable basic allowance for housing if a spouse or other dependent relocates at a different time from the member. This provision would be effective on October 1, 2018.

The House bill contained a similar provision (sec. 603). The House recedes with a technical amendment.

Extension of authority to provide temporary increase in rates of basic allowance for housing under certain circumstances (sec. 605)

The Senate amendment contained a provision (sec. 602) that would extend for 1 year the authority of the Secretary of Defense to temporarily increase the rate of the Basic Allowance for Housing in areas impacted by natural disasters or experiencing a sudden influx of personnel. The House bill contained no similar provision. The House recedes.

Reevaluation of BAH for the military housing area including Staten Island (sec. 606)

The House bill contained a provision (sec. 605) that would require the Secretary of Defense, not later than 90 days after the enactment of this Act, using the most recent data available to the Secretary, to reevaluate the basic housing allowance prescribed under section 403(b) of title 37, United States Code, for the military housing area that includes Staten Island, New York.

The Senate amendment contained no similar provision. The Senate recedes.

**SUBTITLE B—BONUS AND SPECIAL AND INCENTIVE PAYS**

One-year extension of certain bonus and special pay authorities for reserve forces (sec. 611)

The House bill contained a provision (sec. 611) that would extend for 1 year the authority to pay the Selected Reserve reenlistment bonus, the Selected Reserve affiliation or enlistment bonus, special pay for enlisted members assigned to certain high-priority units, the Ready Reserve enlistment bonus
for persons without prior service, the Ready Reserve enlistment
and reenlistment bonus for persons with prior service, the
Selected Reserve enlistment and reenlistment bonus for persons
with prior service, travel expenses for certain inactive-duty
training, and income replacement for reserve component members
experiencing extended and frequent mobilization for Active-Duty
service.

The Senate amendment contained an identical provision
(sec. 611).
The conference agreement includes this provision.

One-year extension of certain bonus and special pay authorities
for health care professionals (sec. 612)

The House bill contained a provision (sec. 612) that would
extend for 1 year the authority to pay the nurse officer
candidate accession bonus, education loan repayment for certain
health professionals who serve in the Selected Reserve,
accession and retention bonuses for psychologists, the accession
bonus for registered nurses, incentive special pay for nurse
anesthetists, special pay for Selected Reserve health
professionals in critically short wartime specialties, the
accession bonus for dental officers, the accession bonus for
pharmacy officers, the accession bonus for medical officers in
critically short wartime specialties, and the accession bonus
for dental specialist officers in critically short wartime
specialties.

The Senate amendment contained an identical provision
(sec. 612).
The conference agreement includes this provision.

One-year extension of special pay and bonus authorities for
nuclear officers (sec. 613)

The House bill contained a provision (sec. 613) that would
extend for 1 year the authority to pay the special pay for
nuclear-qualified officers extending period of active service,
the nuclear career accession bonus, and the nuclear career
annual incentive bonus.

The Senate amendment contained an identical provision
(sec. 613).
The conference agreement includes this provision.

One-year extension of authorities relating to title 37
consolidated special pay, incentive pay, and bonus authorities
(sec. 614)
The House bill contained a provision (sec. 614) that would extend for 1 year the general bonus authority for enlisted members, the general bonus authority for officers, special bonus and incentive pay authorities for nuclear officers, special aviation incentive pay and bonus authorities for officers, and special bonus and incentive pay authorities for officers in health professions, and contracting bonus for cadets and midshipmen enrolled in the Senior Officers’ Training Corps. The provision would also extend for 1 year the authority to pay hazardous duty pay, assignment or special duty pay, skill incentive pay or proficiency bonus, and retention incentives for members qualified in critical military skills or assigned to high priority units.

The Senate amendment contained an identical provision (sec. 614).

The conference agreement includes this provision.

One-year extension of authorities relating to payment of other title 37 bonuses and special pays (sec. 615)

The House bill contained a provision (sec. 615) that would extend for 1 year the authority to pay the aviation officer retention bonus, assignment incentive pay, the reenlistment bonus for active members, the enlistment bonus, precommissioning incentive pay for foreign language proficiency, the accession bonus for new officers in critical skills, the incentive bonus for conversion to military occupational specialty to ease personnel shortage, the incentive bonus for transfer between Armed Forces, and the accession bonus for officer candidates.

The Senate amendment contained an identical provision (sec. 615).

The conference agreement includes this provision.

Report regarding the national pilot shortage (sec. 616)

The Senate amendment included a provision (sec. 616) that would amend section 334 of title 37, United States Code, to require the Department of Defense and the military services to justify aviation bonus levels through a business case analysis for such levels, establish a tiered limitation on maximum amounts of aviation bonuses, and require additional budget justification materials to accompany the President's fiscal year budget submission to Congress pursuant to section 1105 of title 31, United States Code.

The House bill contained no similar provision.

The House recedes with an amendment that would strike the Senate language and instead require the Comptroller General of
the United States to submit to the Committees on Armed Services of the Senate and House of Representatives by no later than April 30, 2018, a report assessing the severity of the national pilot shortage, including which geographic areas and segments of the commercial aviation industry are most affected by the shortage, compensation practices within the commercial aviation industry and how such practices affect the ability of the military services to retain military pilots, the utility of the requirement in section 334 of title 37, United States Code, for the services to submit business cases analyses for their aviation bonuses, and the adequacy of non-monetary incentives available to the Secretary of the Air Force to incentivize retention among Air Force pilots.

Special aviation incentive pay and bonus authorities for enlisted members who pilot remotely piloted aircraft (sec. 617)

The Senate amendment contained a provision (sec. 617) that would amend chapter 5 of title 37, United States Code, to create a new authority to pay aviation incentive pay and bonuses to enlisted member remotely piloted aircraft (RPA) pilots with statutory caps of $1,000 per month for aviation incentive pay and $35,000 per year for aviation bonus pay, which is equivalent to the current caps under section 334 of title 37, United States Code, for pilots who are officers. The House bill contained no similar provision. The House recedes with a technical amendment.

Technical and conforming amendments relating to 2008 consolidation of special pay authorities (sec. 618)

The Senate amendment contained a provision (sec. 618) that would make technical and conforming corrections to titles 10, 14, 24, 26, 37, and 42, United States Code, as part of the Department of Defense transition to the consolidated authorities authorized in section 661 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181), which provided eight consolidated statutory special and incentive pay authorities for future use to replace those currently in use. The House bill contained a similar provision (sec. 618). The House recedes.

SUBTITLE C—DISABILITY PAY, RETIRED PAY, AND SURVIVOR BENEFITS
Permanent extension and cost-of-living adjustments of special survivor indemnity allowances under the Survivor Benefit Plan (sec. 621)

The House bill contained a provision (sec. 621) that would express the sense of Congress that the Special Survivor Indemnity Allowance was created as a stop gap measure to assist widowed spouses by reducing the Survivor Benefit Plan/Dependency Indemnity Compensation offset required by law.

The Senate amendment contained a provision (sec. 638) that would amend section 1450 of title 10, United States Code, to permanently extend the authority to pay the Special Survivor Indemnity Allowance at the current rate and would require inflation adjustments to that Allowance by the amount of the military retired pay cost-of-living adjustment for each calendar year beginning in 2019.

The House recedes.

Adjustments to the Survivor Benefit Plan for members electing lump sum payments of retired pay under the modernized retirement system for members of the uniformed services (sec. 622)

The Senate amendment contained a provision (sec. 631) that would modify section 1447 of title 10, United States Code, and section 1452 of title 10, United States Code, to ensure equitable treatment under the Survivor Benefit Plan of members of the uniformed services covered by the modernized retirement system who elect to receive a lump sum of retired pay, as authorized under section 1415 of title 10, United States Code.

The House bill contained no similar provision.

The House recedes.

Technical correction regarding election to participate in modernized retirement system for reserve component members experiencing a break in service (sec. 623)

The Senate amendment contained a provision (sec. 632) that would clarify that the election period for the modernized retirement system authorized by section 631 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) is extended for up to 30 days in the case of regular component members returning to service after a break in service that occurs during the election period.

The House bill contained no similar provision.

The House recedes.
Technical corrections to use of member's current pay grade and years of service in a division of property involving disposable retired pay (sec. 624)

The Senate amendment contained a provision (sec. 637) that would modify section 1408(a)(4) of title 10, United States code, to allow the Department of Defense to implement section 641 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) by clarifying that the division of property is to be calculated based on the date of the divorce decree, dissolution, annulment, or legal separation.

The House bill contained no similar provision.

The House recedes.

Continuation pay for the Coast Guard (sec. 625)

The House bill contained a provision (section 3508) that would appropriate, out of any money in the Treasury not otherwise appropriated, funding to the Coast Guard retirement account.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would authorize continuation pay in the amount of $3,286,277 for fiscal year 2018, as appropriated.

**SUBTITLE D—OTHER MATTERS**

Land conveyance authority, Army and Air Force Exchange Service property, Dallas, Texas (sec. 631)

The House bill contained a provision (sec. 631) that would authorize the Army and Air Force Exchange to convey by sale, exchange, or a combination thereof, all right, title, and interest of the United States in a real property parcel, including improvements, that is located at 8901 Autobahn Drive in Dallas, Texas.

The Senate amendment contained a provision (sec. 2822) that would authorize the Secretary of Defense to authorize the Army and Air Force Exchange to sell and convey all right, title, and interest of the United States in the same parcel of property.

The Senate recedes with an amendment that would stipulate that the conveyance of property under this provision would not be subject to section 2696 of title 10, United States Code.
Authority for the Secretaries of the military departments to provide for care of remains of those who die on active duty and are interred in a foreign cemetery (sec. 632)

The Senate amendment contained a provision (sec. 636) that would amend section 1482(a) of title 10, United States Code, to authorize a service secretary to provide for the enduring care of the remains of Active-Duty servicemembers interred in foreign cemeteries if the burial location was designated by such secretary.

The House bill contained no similar provision.

The House recedes.

Construction of domestic source requirement for footwear furnished to enlisted members of the Armed Forces on initial entry into the Armed Forces (sec. 633)

The Senate amendment contained a provision (sec. 651) that would modify the requirements to furnish footwear to enlisted members of the Armed Forces on initial entry if the Secretary of Defense determines that there would be only a sole certified source of supply. The Secretary of Defense would also be required to ensure that all procurement of athletic footwear to which this subsection applies are made using firm fixed price contracts. Consistent with section 418 of title 37, United States Code, the committee directs the Secretary to establish practices and take all necessary steps to protect service members in initial entry training from unnecessary injuries.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Review and update of regulations governing debt collectors interactions with unit commanders of members of the Armed Forces (sec. 634)

The House bill contained a provision (sec. 1074) that would require the Secretary of Defense, no later than 180 days after the date of the enactment of this Act, to review and update Department of Defense Instruction 1344.09 and any associated regulations to ensure that such regulations comply with Federal consumer protection laws with respect to the collection of debt.

The Senate amendment contained an identical provision (sec. 653).

The conference agreement includes this provision.
LEGISLATIVE PROVISIONS NOT ADOPTED

Adjustment to Basic Allowance for Housing at with dependents rate of certain members of the uniformed services

The Senate amendment contained a provision (sec. 603) that would amend section 403 of title 37, United States Code, to eliminate the with-dependents rate for the Basic Allowance for Housing (BAH) in the case of married members of the uniformed services who are collocated and who have dependents.

The House bill contained no similar provision.

The Senate recedes.

The conferees remain committed to the requirement in section 604 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) that the Department of Defense report on the feasibility of a single salary compensation system for service members in lieu of the current system of basic pay and allowances. The conferees understand that the Department intends to address these questions as part of its next Quadrennial Review of Military Compensation (QRMC). The conferees direct, as an interim step, the Secretary of Defense to deliver to the Committees on Armed Services of the Senate and House of Representatives a description, by no later than April 1, 2018, of their intended work on this matter, including those elements of compensation that will be included in the review, the full scope of options with respect to the single-payer system that will be considered, the methodology by which the Department will assess the feasibility of such a change, and the expected delivery date of the QRMC, together with the identification of any other matters the Secretary believes need to be addressed in the course of this review. Finally, the conferees direct the Secretary to provide with the report required above a representative table of regular military compensation by grade, years of service, and a sampling of the most common military housing areas within the United States.

Per diem allowance policies

The House bill contained a provision (sec. 604) that would prohibit a Secretary of a military department from implementing a flat rate per diem policy for long term temporary duty described in a certain policy memorandum.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note that the National Defense Authorization Act for Fiscal Year 2017 addressed this per diem issue by authorizing the Secretary concerned to waive the reduced flat
rate per diem and pay travelers actual expenses up to the full per diem if the Secretary concerned determines that the reduced flat rate per diem for meals and incidental expenses is insufficient under the circumstances of the TDY assignment. The conferees also note the lack of evidence that shows the current system is causing financial hardship on military and civilian employees on long term TDY assignment, or is otherwise impacting volunteerism among civilians for critical missions.

Modification of authority of President to determine alternative pay adjustment in annual basic pay of members of the uniformed services

The Senate amendment contained a provision (sec. 604) that would amend section 1009(e) of title 37, United States Code, to remove the justification of serious economic conditions affecting the general welfare from the waiver authority of the President to make an alternative pay adjustment.

The House bill contained no similar provision.

The Senate recedes.

Application of basic allowance for housing to members of the uniformed services in the Virgin Islands

The House bill contained a provision (sec. 606) that would amend section 403(b) of title 37, United States Code, to apply the basic allowance for housing to members of the uniformed services to those serving in the Virgin Islands.

The Senate amendment contains no similar provision.

The House recedes.

The conferees note that the Overseas Housing Allowance applies uniformly to all overseas and territorial locations and believe this is currently the most appropriate policy.

Reimbursement for state licensure and certification costs of a member of the Armed Forces arising from separation from the Armed Forces

The House bill contained a provision (sec. 616) that would authorize the Secretary of Defense and the Secretary of Homeland Security to reimburse a servicemember up to $500 for relicensing costs incurred upon separation from the Armed Forces. In addition, the provision would require the service secretaries to work with the states to improve portability of licenses between states and to report recommendations on this matter to the appropriate congressional committees and the states.

The Senate amendment contained no similar provision.
The House recedes.

The conferees recognize that programs and resources exist that provide servicemembers with certifications and licenses related to their military training, most notably the credentialing program under section 2015 of title 10, United States Code, as well as resources and benefits to acquire new skills and education while off-duty, such as the Tuition Assistance Program. Moreover, there are numerous education and transition benefits available for veterans and their families under the purview of the Department of Veterans Affairs, the Department of Labor, and other Federal agencies. The conferees direct the Comptroller General of the United States to assess the panoply of benefits and programs available government-wide to separating servicemembers intended to provide the skills and education necessary for such members to achieve meaningful and fulfilling employment in their civilian lives, and to report to the Committees on Armed Services of the Senate and the House of Representatives on the results of that assessment by no later than October 1, 2018, including such recommendations for congressional action as the Comptroller General may have to ensure such benefits and programs achieve their intended purpose while avoiding unnecessary duplication of effort among the Federal agencies.

Increase in maximum amount of aviation bonus for 12-month period of obligated service

The House bill contained a provision (sec. 617) that would amend section 334(c)(1)(B) of title 37, United States Code, to increase the statutory limits for the aviation retention bonus to $50,000 and allow the Secretary concerned the flexibility to increase the aviation incentive pay limit set forth in regulations issued by the Secretary of Defense under section 374 of title 37, United States Code.

The Senate amendment contained no similar provision.

The House recedes.

Report regarding management of military commissaries and exchanges

The House bill contained a provision (sec. 632) that would require the Secretary of Defense to submit a report to the congressional defense committees, within 180 days of the date of the enactment of this Act, regarding management practices of military commissaries and exchanges. The report required under this section would include a cost-benefit analysis with a goal of reducing the operational costs of commissaries and exchanges.
by $2.0 billion in fiscal years 2018 through 2022 while not increasing patrons' costs.

The Senate amendment contained a similar provision (sec. 5602).

The Senate and House recede.

Section 634 of the National Defense Authorization Act (NDAA) for Fiscal Year 2015 (Public Law 113-291) required a comprehensive, independent review of the defense commissary system. Subsequently, section 651 of the NDAA for Fiscal Year 2016 (Public Law 114-92) required the Secretary of Defense to develop a plan to obtain budget neutrality for the defense commissary and the military exchange systems, and to include in the development of this plan consideration of the report required by section 634 of the NDAA for Fiscal Year 2015. The Department delivered to Congress the report required by section 634 on August 26, 2015, and delivered the plan to achieve budget savings required by section 651 in May of 2016. Based on the recommendations from these efforts, Congress subsequently enacted a number of reforms to achieve savings in the commissary system (and thereby lowering the appropriated fund subsidy to the commissary system), including variable pricing authority, authority to sell private label products, and authority to convert the commissary system to a non-appropriated fund activity. In light of the extensive reports already required by Congress and delivered by the Department in this area, and the enactment of cost saving measures as recommended by those reports, the conferees believe there is little additional benefit to be gained by requiring the Department to submit another report assessing methods of achieving cost savings in the commissary and military exchange systems.

Promotion of financial literacy concerning retirement among members of the Armed Forces

The Senate amendment contained a provision (sec. 633) that would require the Secretary of Defense to develop programs of financial literacy for members of the Armed Forces to assist members in better understanding retirement options and planning for retirement.

The House bill contained no similar provision.

The Senate recedes.

Inclusion of Department of Agriculture in Transition Assistance Program

The Senate amendment contained a provision (sec. 652) that would amend subsection (a) of section 1144 of title 10, United
States Code, to require inclusion of information provided by the Department of Agriculture in the Transition Assistance Program. The House bill contained no similar provision. 
The Senate recedes.

Report on use of second-destination transportation to transport fresh fruit and vegetables to commissaries in the Asia-Pacific region

The Senate amendment contained a provision (sec. 5601) that would require the Secretary of Defense to provide a report to the congressional defense committees, not later than 120 days after the date of the enactment of this Act, on second-destination transportation of fresh fruits and vegetables to commissaries in the Asia-Pacific region.
The House bill contained no similar provision.
The Senate recedes.

Sense of Senate on the use by exchange stores of small businesses as suppliers

The Senate amendment contained a provision (sec. 10601) that would express the sense of the Senate to urge the Department of Defense's exchange stores to develop strategies for featuring products of small businesses, especially products of veteran-owned small businesses, in military exchange stores.
The House bill contained no similar provision.
The Senate recedes.

Element in next quadrennial review of military compensation on value assigned by members of the Armed Forces to various aspects of military compensation

The Senate amendment contained a provision (sec. 10603) that would require the President to ensure that the first quadrennial review of the principals and concepts of the compensation system for members of the uniformed services under section 1008(b) of title 37, United States Code, after the enactment of this Act, include a review of the comparative value assigned by members of the Armed Forces to various aspects of military compensation.
The House bill contained no similar provision.
The Senate recedes.
The conferees note the importance of servicemember compensation preferences in designing a competitive military compensation system capable of attracting and retaining high-quality personnel for the all-volunteer force. The conferees
expect the Secretary of Defense to take servicemember preferences into account when making recommendations to modify the current compensation system in the forthcoming Quadrennial Review of Military Compensation.

TITLE VII—HEALTH CARE PROVISIONS

SUBTITLE A—TRICARE AND OTHER HEALTH CARE BENEFITS

Continued access to medical care at facilities of the uniformed services for certain members of the reserve components (sec. 701)

The Senate amendment contained a provision (sec. 702) that would amend sections 1076d(f) and 1076e of title 10, United States Code, to clarify the eligibility for medical services for beneficiaries enrolled in TRICARE Reserve Select and TRICARE Retired Reserve.

The House bill contained no similar provision.

The House recedes.

Modifications of cost-sharing requirements for the TRICARE Pharmacy Benefits Program and treatment of certain pharmaceutical agents (sec. 702)

The Senate amendment contained a provision (sec. 706) that would amend paragraph 6 of 1074g (a) of title 10, United States Code, to modify cost-sharing amounts for the TRICARE pharmacy benefits program for years 2018 through 2026. After 2026, the Department could establish cost-sharing amounts equal to the cost-sharing amounts for the previous year adjusted by an amount, if any, to reflect increases in costs of pharmaceutical agents and pharmacy dispensing fees. With this provision, beneficiaries would continue to receive pharmaceuticals at no cost in military medical treatment facilities. For years 2018 through 2020, the cost-share amount for up to a 90-day supply of a generic pharmaceutical agent dispensed through the mail order pharmacy would be $10, which would partially cover the Department's administrative costs for the drug and would result in a consistent drug cost-share with generic drugs dispensed in retail pharmacies. Under this provision, there would be no changes to cost-sharing amounts for survivors of members who
died on Active Duty or for disabled retirees and their family members.

To encourage use of pharmaceutical agents that provide the greatest value to beneficiaries and the Department, the provision would authorize the Secretary of Defense, upon recommendation from the Pharmacy and Therapeutics Committee and review by the Uniform Formulary Beneficiary Advisory Panel, to exclude from the pharmacy benefits program any pharmaceutical agent that the Secretary determines provides little or no value to covered beneficiaries and the Department. Additionally, the Secretary would give preferential status to any non-generic pharmaceutical agent on the uniform formulary by treating it, for the purposes of cost-sharing, as a generic product under the TRICARE retail pharmacy and mail order programs. Finally, the provision would amend section 1079 of title 10, United States Code, to authorize the Secretary to adopt special reimbursement methods, amounts, and procedures in medical contracts to encourage physicians to use high-value pharmaceutical agents and discourage use of low-value agents.

The House bill contained no similar provision.

The House recedes with an amendment that would: (1) Modify prescription drug cost-sharing amounts for the TRICARE pharmacy benefits program for years 2018 through 2027; and (2) Make a technical amendment.

Provision of hyperbaric oxygen therapy for certain members of the Armed Forces (sec. 703)

The House bill contained a provision (sec. 703) that would amend Chapter 55 of title 10, United States Code, to authorize the Secretary of Defense to provide hyperbaric oxygen therapy available at a military medical treatment facility to a servicemember diagnosed with post-traumatic stress disorder or traumatic brain injury if a physician prescribes such therapy.

The Senate amendment contained no similar provision.

The Senate recedes.

Specification that individuals under the age of 21 are eligible for hospice care services under the TRICARE program (sec. 704)

The Senate amendment contained a provision (sec. 705) that would amend section 1079(a)(15) of title 10, United States Code, to authorize hospice care services for eligible beneficiaries under the age of 21.

The Senate amendment contained another provision (sec. 5702) that would provide a rule of construction such that Section 705 would have no force or effect. Additionally, this
provision would amend section 1079(a)(15) of title 10, United States Code, to authorize hospice care services for eligible beneficiaries under the age of 21 concurrently with health care services or hospitalization for the same medical condition.

The House bill contained no similar provision.

The House recedes with an amendment that would amend section 1079(a)(15) of title 10, United States Code, to authorize hospice care services for eligible beneficiaries under the age of 21 concurrently with health care services or hospitalization for the same medical condition.

Physical examinations for members of a reserve component who are separating from the Armed Forces (sec. 705)

The House bill contained a provision (sec. 701) that would amend section 1145 of title 10, United States Code, to require the service secretary to provide a physical examination to a reserve component member during the 2-year period before the date on which the member separates from the Armed Forces in support of a contingency operation for a period of more than 30 days. The provision would require the Secretary to provide the physical examination during the 90-day period before the member's separation date and to provide a record of the examination to the member. Under this provision, the member would not be entitled to health benefits solely by reason of receiving a physical examination.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend section 1145 of title 10, United States Code, to require the service secretary to provide a physical examination to a reserve component member during the 2-year period before the date on which the member separates from the Armed Forces in support of a contingency operation for a period of more than 30 days, if the member would not otherwise receive such an examination and elects an examination. The provision would require the service secretary to provide the physical examination during the 90-day period before the member's separation date, to issue orders for the member to receive the examination, and to provide a record of the examination to the member. Under this provision, the member would not be entitled to health benefits solely by reason of receiving a physical examination.

Mental health assessments before members separate from the Armed Forces (sec. 706)

The House bill contained a provision (sec. 702) that would amend section 1145(a)(5)(A) of title 10, United States Code, to
require the service secretary concerned to provide a mental health examination to servicemembers prior to separation from the Armed Forces.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the service secretary concerned to provide a mental health assessment to servicemembers prior to separation from the Armed Forces.

Expansion of sexual trauma counseling and treatment for members of the reserve components (sec. 707)

The House bill contained a provision (sec. 706) that would amend section 1720D(a)(2)(A) of title 38, United States Code, to authorize the Secretary of Veterans Affairs, in conjunction with the Secretary of Defense, to provide counseling and care and services to members of the Armed Forces to overcome psychological trauma stemming from sexual harassment or sexual assault suffered by the member while serving on active duty, active duty for training, or inactive duty training.

The Senate amendment contained a similar provision (sec. 11001).

The Senate recedes.

Expedited evaluation and treatment for prenatal surgery under the TRICARE program (sec. 708)

The Senate amendment contained a provision (sec. 704) that would require the Secretary of Defense to implement processes and procedures to ensure a covered beneficiary under the TRICARE program, whose pregnancy is complicated with a fetal condition or suspected fetal condition, receives at the discretion of the covered beneficiary, expedited evaluation, non-directive counseling, and treatment from a perinatal or pediatric specialist capable of providing surgical management and intervention in utero.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to implement processes and procedures to ensure a covered beneficiary under the TRICARE program, whose pregnancy is complicated with a fetal condition or suspected fetal condition, may elect to receive expedited evaluation, non-directive counseling, and medical treatment from a perinatal or pediatric specialist capable of providing surgical management and intervention in utero.

SUBTITLE B—HEALTH CARE ADMINISTRATION
Maintenance of inpatient capabilities of military medical treatment facilities located outside the United States (sec. 711)

The House bill contained a provision (sec. 712) that would require the Secretary of Defense, in carrying out section 1073d of title 10, United States Code, to ensure that each military medical treatment facility (MTF) located outside the United States maintains, at a minimum, the inpatient capabilities of such facility as of September 30, 2016.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend section 1073d of title 10, United States Code, to require the Secretary of Defense to ensure that each MTF located outside the United States maintains, at a minimum, inpatient capabilities that the Secretary determines are similar to those capabilities of such facility on September 30, 2016. The provision would require the Secretary to maintain inpatient capabilities at such facility until the day that is 180 days after the Secretary provides a briefing to the Committees on Armed Services of the Senate and the House of Representatives on proposed elimination of inpatient capabilities. The provision would require the Secretary to certify in the briefing that: (1) Host nation hospitals or medical centers have agreed to provide inpatient capabilities that would be eliminated at the MTF; (2) Servicemembers and covered beneficiaries would receive quality health care, including case management and translation services, at a host nation facility within a reasonable distance, as determined by the Secretary; (3) The Secretary has consulted with the appropriate geographic combatant command in which the MTF is located to ensure that proposed elimination of inpatient capabilities would have no impact on operational plans; and (4) The Secretary will provide servicemembers and covered beneficiaries receiving health care services from the MTF with a transition plan for continuity of health care and will provide a public forum to discuss their concerns regarding a reduction of inpatient capabilities at the MTF.

Modification of priority for evaluation and treatment of individuals at military treatment facilities (sec. 712)

The House bill contained a provision (sec. 724) that would amend section 717 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) by striking subsection (d) and inserting new subsections to express a sense of Congress on the eligibility of victims of acts of terror for evaluation and treatment at military treatment facilities.
The Senate amendment contained a provision (sec. 721) that would amend section 717(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to authorize the Secretary of Defense to waive the priority of covered beneficiaries to receive evaluation and treatment at military treatment facilities in order to provide evaluation and treatment for the following individuals: (1) Persons severely wounded or injured by acts of terror in the United States; or (2) Residents of the United States severely wounded or injured by acts of terror outside the United States.

The House recedes.

Clarification of administration of military medical treatment facilities (sec. 713)

The Senate amendment contained a provision (sec. 723) that would amend section 1073c(a)(2), 3036(f), 5137(b), and 8036(b) of title 10, United States Code, to clarify that the individual responsible for ensuring readiness of members of the Armed Forces and civilian employees of an MTF and for furnishing the healthcare and medical treatment at that facility can be either a military or civilian director under the authority, direction, and control of the Defense Health Agency. Additionally, the provision would authorize, if the Secretary of Defense determines it appropriate, that a military director (or other senior military officer or officers) of an MTF may be a commanding officer for purposes of Chapter 47 of this title (the Uniformed Code of Military Justice) with respect to military personnel assigned to the MTF.

The House recedes with an amendment that would clarify that the individual responsible for ensuring readiness of members of the Armed Forces and civilian employees of an MTF and for furnishing the healthcare and medical treatment at that facility can be either a military commander or director. The provision would authorize, if the Secretary of Defense determines it appropriate, that a military director (or other senior military officer or officers) of an MTF may be a commanding officer for purposes of Chapter 47 of this title (the Uniformed Code of Military Justice) with respect to military personnel assigned to the MTF.

The conferees voice concern with the Department’s lack of progress on the development of the implementation plan to transition MTFs to the Defense Health Agency (DHA), as required
by section 702 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328). Section 702 gave the DHA broad responsibility for the administration and operation of each MTF and limited the roles and responsibilities of each Service Surgeon General in the direct care delivery system, while maintaining their oversight of the operational medical force readiness of their respective military services. The Department’s March and June 2017 interim reports to the Committees on Armed Services of the Senate and the House of Representatives outlined the decision to establish a “component model” with the Services maintaining command and control of MTFs through newly formed intermediary medical commands under two separate lines of authority, one from the Services and the other from the DHA.

The conferees believe the Department’s attempt to maintain current stove-piped organizational constructs risks preserving inefficiencies in the military health system’s (MHS) command and governance structure. The conferees agree that beneficiaries - Active-Duty servicemembers and their families, retirees and their families - deserve an agile organizational structure that adapts to their needs while ensuring vital healthcare support to the warfighter wherever needed.

The conferees are resolutely committed to reforming the organization and governance of the MHS. There are strong concerns, however, regarding whether the component model, as proposed, will lead to enhanced operational medical force readiness, improved access to care, improved quality of care, and a better experience of care that soldiers, sailors, airmen, and marines (and their families) deserve. Therefore, the conferees direct the Department to implement an organizational construct that eliminates unnecessary organizational structures and removes any possibility for the Department to maintain the status quo in the MHS. The conferees will closely monitor the Department’s progress toward a unified, more efficient MHS operating model and will not hesitate to direct a revised MHS operating model if the component model fails to meet the congressional intent of section 702 of the National Defense Authorization Act for Fiscal Year 2017.

Regular update of prescription drug pricing standard under TRICARE retail pharmacy program (sec. 714)

The House bill contained a provision (sec. 713) that would amend section 1074g(d) of title 10, United States Code, to require the Secretary of Defense to include requirements described in section 1860D-12(b)(6) of the Social Security Act (42 U.S.C. 1395w-112(b)(6)) in TRICARE pharmacy program.
contracts to ensure the provision of information regarding the pricing standard for prescription drugs.

The Senate amendment contained an identical provision (sec. 5703).

The conference agreement includes this provision.

**Modification of execution of TRICARE contracting responsibilities (sec. 715)**

The Senate amendment contained a provision (sec. 724) that would amend subsection (b) of section 705 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to clarify the execution of contracting responsibility for acquisition of managed care support contracts under the TRICARE program initiated after the date of the enactment of this Act. Under this provision, the Under Secretary of Defense for Acquisition and Sustainment would serve as the acquisition decision authority and be responsible for approving the acquisition strategy and conducting pre-solicitation, pre-award, and post-award acquisition reviews.

The House bill contained no similar provision.

The House recedes.

**Additional emergency uses for medical products to reduce deaths and severity of injuries caused by agents of war (sec. 716)**

The Senate amendment contained a provision (sec. 732) that would amend section 1107a of title 10, United States Code, to authorize the Secretary of Defense to approve the emergency use of medical products, outside the United States, in situations in which an emergency use of an unapproved product or an emergency unapproved use of an approved product cannot be authorized under section 564 of the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 360bbb-3) because the emergency does not involve an actual or threatened attack with a biological, chemical, radiological, or nuclear agent.

The House bill contained no similar provision.

The House recedes.

The conferees agree that traditional pathways to the Food and Drug Administration’s approval and licensure of critical medical products for combat casualty care are too slow to allow for rapid insertion and use of these products on the battlefield. The conferees believe this provision could lead to even higher survival rates from severe combat wounds and injuries suffered by servicemembers. The conferees expect the Department to consult with the Commissioner of the Food and Drug Administration when evaluating medical products for combat
casualty care and to use this new authority strictly for approval of medical products for battlefield wounds and injuries.

Modification of determination of average wait times at urgent care clinics and pharmacies at military medical treatment facilities under pilot program (sec. 717)

The Senate amendment contained a provision (sec. 734) that would amend subsections 744(c)(2) and 744(d)(2) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to require the Secretary of Defense to utilize a formula derived from health care industry best practices in determining the average wait times to display under such paragraphs.

The House bill contained no similar provision.

The House recedes.

Requirement for reimbursement by Department of Defense to entities carrying out State vaccination programs for costs of vaccines provided to covered beneficiaries (sec. 718)

The Senate amendment contained a provision (sec. 10701) that would amend section 719 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to require the Secretary of Defense to reimburse state vaccination programs for costs of vaccines provided to covered beneficiaries.

The House bill contained no similar provision.

The House recedes.

The conferees note that there appear to be challenges with some state vaccine programs in negotiations with the Department of Defense to determine the number of vaccines provided to TRICARE eligible beneficiaries and the price for reimbursement for the vaccines. The conferees expect both the state programs and the Department to use proper accounting procedures and to negotiate in good faith to determine the reimbursement price for vaccines.

Extension of authority for Joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund (sec. 719)

The Senate amendment contained a provision (sec. 731) that would extend the authority for the joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund from September 30, 2018, to September 30, 2019.

The House bill contained no similar provision.
Residency requirements for podiatrists (sec. 720)

The House bill contained a provision (sec. 714) that would require the Secretary of Defense to ensure that a podiatrist serving in the Armed Forces must have successfully completed a 3-year podiatric medicine and surgical residency.

The Senate amendment contained no similar provision.

The House recedes.

Authorization of physical therapist assistants and occupational therapy assistants to provide services under the TRICARE program (sec. 721)

The Senate amendment contained a provision (sec. 5705) that would require the Secretary of Defense to revise section 199.6(c) of title 32, Code of Federal Regulations, to include licensed or certified physical therapist assistants and occupational therapy assistants as authorized providers under the TRICARE program, as defined by section 1072 of title 10, United States Code, to furnish services when under the supervision of a physical therapist or occupational therapist respectively.

The House bill contained no similar provision.

The House recedes.

Selection of military commanders and directors of military medical treatment facilities (sec. 722)

The Senate amendment contained a provision (sec. 722) that would require the Secretary of Defense, not later than January 1, 2019, to develop common qualifications and core competencies required for selection of directors of military medical treatment facilities (MTFs). The provision would also establish a minimum length of 3 years for tours of duty, with limited exceptions, for those directors to ensure greater stability in health system executive management at each facility and throughout the military health system.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense, in consultation with the service secretaries, to develop, not later than January 1, 2019, common qualifications and core competencies required for selection of military commanders and directors of MTFs.

The conferees express concern that MTF commanders and directors typically rotate to new duty stations every 2 years,
and these frequent transfers lead to great instability in the management of hospitals and clinics. The rapid turnover of commanders and directors creates turmoil in hospital executive leadership and management, negatively affecting the performance of the local facility and the overall performance of the entire military health system. The conferees encourage the Secretary to consider extending the tour lengths of those commanders and directors to improve and stabilize the operations of MTFs.

**SUBTITLE C—REPORTS AND OTHER MATTERS**

**Pilot program on health care assistance system (sec. 731)**

The House bill contained a provision (sec. 722) that would require the Secretary of Defense to conduct a pilot program to provide health care assistance services to certain covered beneficiaries enrolled in TRICARE Prime or TRICARE Select to improve health outcomes and patient experience for beneficiaries with complex medical conditions. The provision would require the Secretary to carry out the pilot program for an appropriate amount of time determined by the Secretary during the 5-year period beginning January 1, 2018. Additionally, the provision would require the Secretary to submit a report to the Committees on Armed Services of the Senate and the House of Representatives that provides an evaluation of the pilot program.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to conduct a pilot program to provide health care assistance services to certain covered beneficiaries enrolled in TRICARE Select using purchased care to improve the health outcomes and patient experience for beneficiaries with complex medical conditions. The Secretary would conduct the pilot program for an amount of time determined appropriate by the Secretary beginning 180 days after the date of the enactment of this Act. Not later than January 1, 2021, the Secretary would submit a report to the Committees on Armed Services of the Senate and the House of Representatives containing an evaluation of the program and a determination whether health care assistance services should be incorporated into TRICARE support contracts.

**Feasibility study on conduct of pilot program on mental health readiness of part-time members of the reserve components of the Armed Forces (sec. 732)**
The Senate amendment contained a provision (sec. 737) that would require the Secretary of Defense, not later than 1 year after the date of the enactment of this Act, to conduct a feasibility study and cost estimate for a pilot program that uses predictive analytics and screening to identify mental health risk and provide early, targeted intervention to part-time members of the reserve component of the Armed Forces.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary to make use of existing models for preventative mental health care, if practicable, when conducting the feasibility study.

Report on plan to improve pediatric care and related services for children of members of the Armed Forces (sec. 733)

The Senate amendment contained a provision (sec. 735) that would require the Secretary of Defense to submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth a plan of the Department to improve pediatric care and related services for children of members of the Armed Forces.

The House bill contained no similar provision.

The House recedes with an amendment that would modify the elements of the report setting forth a plan of the Department to improve pediatric care and related services for children of members of the Armed Forces.

Longitudinal medical study on blast pressure exposure of members of the Armed Forces (sec. 734)

The Senate amendment contained a provision (sec. 5704) that would require the Secretary of Defense to conduct a longitudinal medical study on blast pressure exposure of members of the Armed Forces during combat and training. The provision would also require the Secretary to submit a report to Congress on the results of the study.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary to submit an interim report to the Committees on Armed Services of the Senate and the House of Representatives, not later than 1 year after the date of the enactment of this Act, that describes the study methods and action plan. The Secretary would then submit a final report on the results of the study to the same committees not later than 4 years after the date that the study begins.
Study on safe opioid prescribing practices (sec. 735)

The House bill contained a provision (sec. 728) that would require the Secretary of Defense to conduct a study on the effectiveness of the training provided to military healthcare providers regarding opioid prescribing practices, initiatives in opioid safety, the use of the Department of Veterans Affairs/Department of Defense clinical practice guideline for management of opioid therapy for chronic pain, and other related training.

The Senate amendment contained a similar provision (sec. 5701).

The Senate recedes with an amendment that would modify the elements of the study and require the Secretary of Defense to consider the feasibility and advisability of further strengthening opioid prescribing practices of healthcare providers of the Department. The Secretary would provide a briefing on the results of the study to the Committees on Armed Services of the Senate and the House of Representatives not later than 1 year after the date of the enactment of this Act.

Report on implementation of GAO recommendations (sec. 736)

The House bill contained a provision (sec. 726) that would require the Secretary of Defense to submit a report to the congressional defense committees, within 180 days after the date of the enactment of this Act, on the implementation of recommendations from the Government Accountability Office report entitled "Actions Needed to Ensure Post-Traumatic Stress Disorder and Traumatic Brain Injury Are Considered in Misconduct Separations" and published on May 16, 2017.

The Senate amendment contained no similar provision.

The Senate recedes.

Declassification by Department of Defense of certain incidents of exposure of members of the Armed Forces to toxic substances (sec. 737)

The Senate amendment contained a provision (sec. 1089) that would require the Secretary of Defense to declassify documents related to any known incident of exposure to toxic substances that resulted in disability.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to conduct a declassification review of documents related to toxic substance exposure that resulted in the disability of a servicemember.
Coordination by Veterans Health Administration of efforts to understand effects of burn pits (sec. 738)

The Senate amendment contained a provision (sec. 11008) that would require the Secretary of Veterans Affairs to establish a center of excellence relating to exposure to burn pits.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Under Secretary for Health of the Department of Veterans Affairs, acting through the Office of Public Health of the Veterans Health Administration, to coordinate efforts on matters relating to burn pit exposure.

TRICARE technical amendments (sec. 739)

The Senate amendment contained a provision (sec. 708) that would make several technical amendments to statutory language regarding the TRICARE program.

The House bill contained no similar provision.

The House recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

TRICARE Advantage demonstration program

The Senate amendment contained a provision (sec. 701) that would require the Secretary of Defense, in consultation with the Secretary of Health and Human Services, to establish a demonstration program, not later than 1 year after the date of the enactment of this Act, to enable eligible beneficiaries to enroll in Medicare Advantage plans. The Secretary would carry out the demonstration program for a minimum of 5 years. In conducting the demonstration program, the Secretary would competitively select, in market areas with large concentrations of beneficiaries eligible for TRICARE for Life (TFL), one or more Medicare Advantage plans from which the Secretary of Health and Human Services has waived or modified requirements under section 1857(i) of the Social Security Act (42 U.S.C. 1395w-27(i)). The Secretary would use risk-bearing, capitated contracts with Medicare Advantage organizations to administer the demonstration program, and only those Medicare Advantage plans with minimum quality star ratings of four or higher could participate in the program.

Under the demonstration program, the Secretary may include medical services provided by military medical treatment facilities and pharmaceutical agents provided by the TRICARE
Pharmacy benefits program as additional services provided by the Department. The provision would require enrollment of all applicable eligible individuals located in an area participating in the demonstration program, but individuals could opt out of the program if desired. The provision would require the Secretary and the Secretary of Health and Human Services to determine jointly the appropriate distribution of costs and potential savings that result from the demonstration program. Finally, the provision would require the Secretary to submit: (1) An initial report to the Committees on Armed Services of the Senate and the House of Representatives, within 1 year of the date of the enactment of this Act, on implementation of the demonstration program; and (2) A final report to the same committees not later than 4 years after the date of the enactment of this Act.

The House bill contained no similar provision.

The Senate recedes.

The conferees understand there are over 2 million beneficiaries enrolled in the TFL program. Estimated federal spending on health care services for this population totaled about $16.0 billion last year with Medicare paying about $12.0 billion and the TFL program paying about $4.0 billion. The conferees believe that a TRICARE Advantage demonstration program would result in better health outcomes for TFL beneficiaries with costly chronic health conditions and help to prevent over-utilization of high-cost health care services. The conferees encourage the Department to conduct a TRICARE Advantage demonstration program under its existing demonstration authority.

Modification of eligibility for TRICARE Reserve Select and TRICARE Retired Reserve of certain members of the reserve components

The Senate amendment contained a provision (sec. 703) that would amend sections 1076d(a) and 1076e(a) of title 10, United States Code, to authorize enrollment in TRICARE Reserve Select or TRICARE Retired Reserve of a servicemember who is enrolled, or is eligible to enroll, in a health benefits plan under chapter 89 of title 5, United States Code.

The House bill contained no similar provision.

The Senate recedes.

Mental health assessments for members of the Armed Forces deployed in support of a contingency operation
The House bill contained a provision (sec. 704) that would amend section 1074m(a)(1)(B) of title 10, United States Code, to provide that servicemembers deployed in support of a contingency operation receive a mental health assessment once during each 180-day period during which the member is deployed.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the military services have ongoing programs to identify, manage, and prevent combat stress-related disorders that may arise in a deployed environment. Behavioral health specialists, serving on the battlefield, routinely screen servicemembers for combat stress reactions and refer them for specialty care as needed. The conferees are concerned that requiring additional mid-deployment mental health assessments may disrupt military operations by removing personnel from their operational duties to engage in the assessment process.

_Counseling and treatment for substance use disorders and chronic pain management services for members who separate from the Armed Forces_

The House bill contained a provision (sec. 705) that would amend section 1145(a)(6)(B)(i) of title 10, United States Code, to require the Secretary of Defense to provide counseling and treatment for substance use disorders and chronic pain management services for servicemembers who separate from military service.

The Senate amendment contained no similar provision.

The House recedes.

_Consolidation of cost-sharing requirements under TRICARE Select and TRICARE Prime_

The Senate amendment contained a provision (sec. 707) that would amend section 1075 of title 10, United States Code, to consolidate cost-sharing requirements under TRICARE Prime and Select. This provision would eliminate the grandfathering of cost-sharing requirements for beneficiaries enrolled in the TRICARE program prior to January 1, 2018, as authorized in section 701 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328). The amendments under this provision would take effect on January 1, 2018.

The House bill contained no similar provision.

The Senate recedes.

The conferees voice concern over several unintended consequences resulting from enactment of section 701 of the National Defense Authorization Act for the Fiscal Year 2017.
(Public Law 114-328), which exempted current beneficiaries (“grandfathered” beneficiaries) from the requirement to pay an annual enrollment fee as required by the provision. This law resulted in different cost sharing requirements for “grandfathered” and “non-grandfathered” beneficiaries receiving the same TRICARE benefit. Generally, the beneficiaries who are required to pay the annual enrollment fee have lower copayments for care than the grandfathered beneficiaries who do not pay the enrollment fee. The conferees are concerned that disparate copayments for care will create confusion for health care providers who will have to assess different copayments for each category of beneficiary, as well as unnecessary infrastructure for the Department of Defense (DOD) to maintain two different healthcare benefits.

The conferees recognize the desirability of creating a single health benefit structure for all beneficiary categories, which would reduce DOD's burden of implementing and maintaining two separate health benefits over several decades in the future. The conferees agree that beneficiaries—Active-Duty servicemembers and their families and retirees and their families—deserve a robust healthcare benefit that provides high quality healthcare in a fiscally prudent manner while enhancing and preserving military readiness. The conferees will closely monitor the implementation of TRICARE’s health plan options in 2018 and will expect to enact further changes in law to ensure the military healthcare benefit remains fiscally viable for beneficiaries and for DOD in the future as it improves the quality of care and the experience of care for all beneficiaries.

Contraception coverage parity under the TRICARE program

The Senate amendment contained a provision (sec. 709) that would amend section 1074d of title 10, United States Code, to require coverage of contraception services for all female covered beneficiaries under the TRICARE program. The provision would prohibit cost-sharing for certain contraception services, including all methods of contraception approved by the Food and Drug Administration, contraceptive care, sterilization procedures, and education and counseling, provided to beneficiaries covered by TRICARE.

The House bill contained no similar provision.

Training requirement for health care professionals prescribing opioids for treatment of pain in the Armed Forces
The House bill contained a provision (sec. 715) that would require the Secretary of Defense to ensure that health care professionals, other than pharmacists, authorized to prescribe or dispense opioids for treatment of pain must comply with a 12-hour training requirement, provided by certain civilian pain management and addiction medicine associations, at least once during each 3-year period.

The Senate amendment contained no similar provision.

The House recedes.

One-year extension of pilot program for prescription drug acquisition cost parity in the TRICARE pharmacy benefits program

The House bill contained a provision (sec. 721) that would amend section 743(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to extend the authority of the Secretary of Defense to conduct a pilot program for prescription drug acquisition cost parity in the TRICARE pharmacy benefits program from October 1, 2018 through September 30, 2019.

The Senate amendment contained no similar provision.

The House recedes.

Research of chronic traumatic encephalopathy

The House bill contained a provision (sec. 723) that would authorize $25.0 million for research, development, test, and evaluation for the Defense Health Program to award grants to medical researchers and universities to support research into early detection of chronic traumatic encephalopathy.

The Senate amendment contained no similar provision.

The House recedes.

Prohibition on availability of funds for termination of Vets4Warriors crisis hotline program

The House bill contained a provision (sec. 725) that would prohibit the Department of Defense from obligating or expending funds to terminate the Vets4Warriors crisis hotline program unless the Secretary of Defense submits a report to the congressional defense committees describing a sufficient replacement for the program.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the Vets4Warriors program was terminated in fiscal year 2015.
Pilot program on establishment of integrated health care delivery systems

The Senate amendment contained a provision (sec. 725) that would require the Secretary of Defense, within 1 year of the date of the enactment of this Act, to conduct a pilot program of not less than 5 years duration to establish integrated health care delivery systems among the military health system, other federal health systems, and private sector integrated health systems. In consultation with the Secretaries of Veterans Affairs and Health and Human Services, the Secretary would establish a multi-disciplinary task force to develop a plan to implement the pilot program. Not later than 180 days after the date of the enactment of this Act, the task force would submit an implementation plan for the pilot program to the Secretary that would: (1) Create high-value integrated health systems; (2) Empower health care providers with real-time advanced information technology solutions; (3) Empower patients with transparent information on health care costs, quality outcomes, and safety within health care provider networks; and (4) Provide incentives to patients and health care providers to prevent overuse of low-value health care services. The provision would require the Secretary to submit a report on the implementation plan to the Committees on Armed Services of the Senate and the House of Representatives not later than 270 days after the date of the enactment of this Act. Finally, the Secretary would submit a final report on the pilot program to the same committees not later than 4 years after the date of the enactment of this Act.

The House bill contained no similar provision.

The Senate recedes.

The conferees strongly encourage the Departments of Defense and Veterans Affairs to pursue innovative solutions to improve access to care, the quality and safety of care, and beneficiaries' health outcomes by establishing enduring partnerships with high-performing private sector health systems.

Authorization of intergovernmental agreements for the provision of health screenings

The House bill contained a provision (sec. 727) that would amend section 2679(e)(1) of title 10, United States Code, to authorize intergovernmental agreements to provide health screenings for conditions related to perfluorooctanesulfonic acid and perfluorooctanoic acid in communities near formerly closed defense sites identified by the Secretary of Defense as sources of those acids.
Tick-borne diseases

The House bill contained a provision (sec. 729) that would authorize the Secretary of Defense to authorize grants to medical researchers and universities to support research on improving the detection and diagnosis of tick-borne diseases. The Senate amendment contained no similar provision. The House recedes.

Report

The House bill contained a provision (sec. 730) that would require the Secretary of Defense to submit a report to Congress, for each of the fiscal years 2018 through 2021, on activities, programs, priority areas, and current policy and planning documents with respect to infectious disease. The Senate amendment contained no similar provision. The House recedes.

The conferees support the Department of Defense’s efforts to improve the ability of partner nations to respond to the spread of naturally occurring and dangerous emerging infectious disease outbreaks. These programs contribute to the Department’s overall Strategy for Countering Weapons of Mass Destruction, including biological attack and pandemics, since mitigating the spread of diseases early in an outbreak enhances global health security and saves lives. The conferees encourage the Department to continue such efforts to minimize risk to our military forces and families.

Provision of support by Department of Defense to Department of Veterans Affairs regarding electronic health record system

The House bill contained a provision (sec. 731) that would authorize the Secretary of Defense to support the Secretary of Veterans Affairs (VA) in the development and implementation of an electronic health record system. The provision would require the secretaries to conduct an annual review of their efforts to achieve complete interoperability between their electronic health record (EHR) systems and to submit jointly an annual report to the Committees on Armed Services and the Committees on Veterans Affairs of the Senate and the House of Representatives not later than 60 days after completing the annual review required under this provision. The requirements to conduct an annual review and to provide an annual report would terminate on
the date on which the secretaries certify to the same committees that the EHRs of the two departments are completely interoperable.

  The Senate amendment contained no similar provision.  
  The House recedes.  
  The conferees support the decision by the VA to adopt the EHR of the Department of Defense (DOD), MHS Genesis, which consists of a commercial off-the-shelf EHR system, Cerner Millennium.  The conferees note that the VA is working closely with DOD to leverage the platform, architecture, tools, and processes established for MHS Genesis to ensure successful implementation of its new EHR throughout VA’s hospitals and clinics.  The conferees expect the two departments to continue their ongoing extensive collaboration to ensure complete interoperability between their EHRs.

**Increased collaboration with NIH to combat triple negative breast cancer**

  The House bill contained a provision (sec. 732) that would require the Department of Defense to collaborate with the National Institutes of Health on triple negative breast cancer research.  
  The Senate amendment contained no similar provision.  
  The House recedes.

**Encouraging transition of military medical professionals into employment with Veterans Health Administration**

  The House bill contained a provision (sec. 733) that would require the Secretary of Defense to establish a program to encourage a servicemember with a health care military occupational specialty to seek employment with the Veterans Health Administration upon discharge or release from the Armed Forces.  
  The Senate amendment contained no similar provision.  
  The House recedes.

**Prohibition on conduct of certain medical research and development projects**

  The Senate amendment contained a provision (sec. 733) that would prohibit the Secretary of Defense and each service secretary from funding or conducting a medical research and development project unless the secretary concerned submits a written certification to the Committees on Armed Services of the Senate and the House of Representatives that the project is
directly designed to protect, enhance, or restore the health and safety of members of the Armed Forces. Additionally, the secretary concerned could not initiate the funding or conduct of any such project until 90 days after submission of written certification to the committees.

The House bill contained no similar provision.

The Senate recedes.

The conferees are concerned with the amount of congressional funding for medical research in the Department of Defense's (DOD) Congressionally Directed Medical Research Program (CDMRP), and the pressure these increased funds inadvertently place on other defense priorities as a result of budget caps. Since 1992, Congress has appropriated over $11.7 billion for medical research administered by the CDMRP — 4,000 percent growth since 1992 — but not all of that medical research is directly relevant to military service. Annual funding for CDMRP has more than doubled since 2013, when budget caps mandated by the Budget Control Act of 2011 (Public Law 112-25) took effect. This funding, neither authorized by Congress nor requested by DOD, is increasing at a time when other vital programs critical to the nation’s defense are dangerously underfunded. As long as the budget caps remain in place under the Budget Control Act, additional funds placed in the CDRMP will directly compete with other budget priorities in the Department. While the conferees agree that DOD has a proper and vital role to play in medical research related to combat readiness, especially in areas like prosthetics, traumatic brain injury, and spinal cord injury, additional funding for medical research unrelated to unique military needs should be allocated elsewhere in the federal government. Therefore, the conferees encourage funding only those medical research and development projects that protect and enhance military readiness or restore the health and safety of members of the Armed Forces. Furthermore, the conferees encourage the Department to develop a strategic plan for all medical research to ensure synergy and efficiency across the military departments as well as other federal agencies.

Inclusion of gambling disorder in health assessments and related research efforts of the Department of Defense

The Senate amendment contained a provision (sec. 736) that would require the Secretary of Defense to incorporate medical screening questions specific to gambling disorder into the Annual Periodic Health Assessment (DD Form 3024) conducted by the Department for members of the Armed Forces. Additionally, the provision would require the Secretary to incorporate
questions on gambling disorder into its ongoing research survey efforts.
The House bill contained no similar provision.
The Senate recedes.

TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS

SUBTITLE A—ACQUISITION POLICY AND MANAGEMENT

Statements of purpose for Department of Defense acquisition (sec. 801)

The Senate amendment contained a provision (sec. 804) that would create consistency between the Defense Federal Acquisition Regulation and current Department of Defense policies and instructions with respect to the purpose of the defense acquisition system. The committee notes that the Department of Defense is constantly forced to balance equities related to the near and far term defense needs as well as defense and national security goals and broader national and public policy goals. The Department also struggles to align goals relative to improving the speed and response to threats with public transparency and fiscal stewardship and in executing a growing set of missions within a defined budget. The committee remains concerned that these balances and goals sometimes drive the Department into practices that drive up costs, slow down the acquisition process, and result in sub-optimal capabilities being developed and deployed to operational forces.
The House bill contained no similar provision.
The Senate recedes.

Management of intellectual property matters within the Department of Defense (sec. 802)

The House bill contained a provision (sec. 813) that would create a small cadre of experts in intellectual property (IP) that would advise, assist, and provide resources to program offices as they develop their IP strategies and negotiate with industry. This provision would also establish a centralized Office of Intellectual Property within the Department of Defense to standardize the Department’s approach toward obtaining technical data, promulgate policy on IP, oversee the cadre of IP experts, and serve as a single point of contact for industry on
IP matters. Finally, this provision would add IP positions to the acquisition workforce and would revise the training provided to the acquisition workforce on IP matters.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Under Secretary of Defense for Acquisition and Sustainment to establish an appropriate organizational structure to support the cadre of intellectual property experts.

The conferees intend the Department of Defense to leverage the designation of the intellectual property workforce as part of the acquisition workforce to focus significant attention and resources on the development and professionalization of the workforce, for example by using resources from the Defense Acquisition Workforce Development Fund to expand access to training and educational opportunities.

The conferees expect the Under Secretary to foster communications with industry and designate a central point of contact within the Department of Defense for communications with contractors on intellectual property matters. As part of such communications, the Department of Defense shall regularly engage with appropriately representative entities, including large and small businesses, traditional and nontraditional Government contractors, prime contractors and subcontractors, and maintenance repair organizations.

Performance of incurred cost audits (sec. 803)

The House bill contained a provision (sec. 802) that would require the Secretary of Defense to adhere to commercial standards for risk and materiality when auditing costs incurred under flexibly priced contracts; would authorize the Secretary of Defense to use qualified private auditors under certain conditions; sets new targets for timely completion of incurred cost audits; and would require that the Defense Contract Audit Agency undergo a peer review by a commercial auditor; and would direct a review by the Comptroller General of the United States evaluating the Department’s performance of incurred cost audits, to include the use of qualified private auditors.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that increase the Department’s flexibility to use multi-year auditing; encourage the Department to study and incorporate materiality standards; incorporate lessons from civilian agencies’ use of private auditors; clarify the applicability and use of professional auditing standards for both conducting incurred cost audits and the peer review of the Defense Contract Audit Agency; and for the use of qualified private auditors, explicitly address
potential conflicts of interest, independence, and appropriate use of data.

The conferees also direct the Director of the Defense Contract Audit Agency, in consultation with the Under Secretary of Defense (Comptroller) to brief the Committees on Armed Services of the Senate and the House of Representatives, within 180 days after the date of enactment of this Act, to contain the following elements:


(2) Shortfalls (if any) in education, qualification, or training in the Defense Contract Audit Agency workforce, by supervisory and non-supervisory levels and type of position, and the reasons for those shortfalls.

(3) The link (if any) between Defense Contract Audit Agency workforce skill and experience gaps and the Agency’s backlog of audits.

(4) The link (if any) between the effectiveness of Defense Contract Audit Agency regional directors and their education, certifications, and qualifications.


(6) Ongoing efforts and future plans by the Defense Contract Audit Agency to improve the professionalization of its audit workforce, including changes in hiring, training, required certifications or qualifications, compensation structure, and increased opportunities for industry exchanges or rotations.

Repeal of certain auditing requirements (sec. 804)

The House bill contained a provision (sec. 874) that would amend Section 190 of title 10, United States Code, as proposed to be added by section 820(b)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2274), by striking subsection (f).

The Senate amendment contained no similar provision.

The Senate recedes.

Increased simplified acquisition threshold (sec. 805)

The Senate amendment contained a provision (sec. 812) that would amend chapter 137 of title 10, United States Code, to set
the simplified acquisition threshold at $250,000 for the Department of Defense in order to reflect a modest increase in inflation due to the erosion of purchasing power under the current threshold.

The House bill contained no similar provision.

The House recedes with an amendment that would increase the simplified acquisition threshold to $250,000 government-wide.

The conferees note that this change will expand opportunities for Small and Disadvantaged Businesses, Women-Owned Small Businesses, Service Disabled Veteran Owned Small Business, and businesses in Historically Underutilized Business Zones to contract with the Department of Defense to provide innovation and rapid solutions and services to the Department. The conferees direct the Secretary of Defense to submit a report, no later than January 1, 2020, to the Committee on Armed Services of the House of Representatives, the Committee on Armed Services of the Senate, the Committee on Oversight and Government Reform of the House of Representatives and the Committee on Homeland Security and Governmental Affairs of the Senate describing the increased participation of small and disadvantaged businesses and competition that has resulted from this change in law.

Requirements related to the micro-purchase threshold (sec. 806)

The Senate amendment contained a provision (sec. 10804) that would amend Section 1902(a)(1) of title 41, United States Code to increase the micro-purchase threshold to $10,000. This provision would also prohibit the use of convenience checks for amounts greater than one half of the micro-purchase threshold.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Process for enhanced supply chain scrutiny (sec. 807)

The House bill contained a provision (sec. 875) that would require the Director of National Intelligence to develop a list of telecommunications contractors who have been found to have knowingly assisted or facilitated a cyber attack carried out or on behalf of the government of the Democratic People’s Republic of Korea and would prohibit the Secretary of Defense from entering into a contract with any entity on this list.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to establish a process for enhancing scrutiny of acquisition decisions in order to improve the
integration of supply chain risk management into the overall acquisition decision cycle.

Defense policy advisory committee on technology (sec. 808)

The Senate amendment contained a provision (sec. 805) that would require the Secretary of Defense to establish a committee of senior executives from U.S. firms in the national technology and industrial base who would meet with the Secretary, the secretaries of the military departments, and members of the Joint Chiefs of Staff on at least an annual basis from fiscal years 2018 to 2022. This committee would be exempt from the Federal Advisory Committee Act (5 U.S.C. App.) due to the sensitive nature of its work.

The House bill contained no similar provision.

The House recedes with an amendment that would direct the Chief Management Officer (CMO) to act as the point of coordination for committee meetings.

The conferees recognize the need for the key stakeholders in the Department to have the ability to leverage expertise in the private sector, especially when discussing current trends in technology, and how those technologies may threaten U.S. national security. While those discussions can happen informally, the conferees believe that the ability to convene advisors and share information and views on larger technology trends that will affect strategy and policy for the Department is of vital importance in the future.

The conferees also note that in designating the Chief Management Officer as the point of coordination for this advisory committee, the intent is not to give them the authority to approve or deny requests by other offices to convene committee meetings, or in any way to prevent access to the committee by other offices within the Department. The conferees recognize the need to have a process for managing the demands on this group, including prioritizing the needs of the Secretary of Defense, the secretaries of the military departments and the members of the Joint Chiefs of Staff. However, the conferees expect the CMO to develop a process and guidance for requesting support from this committee that can be made available throughout the Department, as well as encouragement from a broad stakeholder base to make use of the services of this committee.

Report on extension of development, acquisition, and sustainment authorities of the military departments to the United States Special Operations Command (sec. 809)
The Senate amendment contained a provision (sec. 806) that would require the Secretary of Defense to carry out a review of the acquisition authorities available to the secretaries of the military departments and the acquisition executives of the military departments to determine the feasibility and advisability of providing such authorities to the Commander of the United States Special Operations Command (SOCOM) and the acquisition executive of the Command for the development, acquisition, and sustainment of special operations-peculiar technology, equipment, and services.

The House bill contained no similar provision.
The House recedes.

Technical and conforming amendments related to program management provisions (sec. 810)

The Senate amendment contained a provision (sec. 802) that would make technical and conforming amendments related to program management provisions from the National Defense Authorization Act of 2017 (Public Law 114-328).

The House bill contained no similar provision.
The House recedes with a technical amendment.

SUBTITLE B—AMENDMENTS TO GENERAL CONTRACTING AUTHORITIES, PROCEDURES, AND LIMITATIONS

Modifications to cost or pricing data and reporting requirements (sec. 811)

The House bill contained a provision (sec. 803) that would amend section 2306a of title 10, United States Code, and section 3502 of title 41, United States Code, to raise contract dollar thresholds that require submission of certified cost and pricing data. The threshold for non-competitive prime contracts, modifications of such contracts, subcontracts, and modifications of subcontracts would increase from $500,000 to $2.5 million, while the threshold for modifications to legacy contracts would increase from $100,000 to $750,000. The section would further amend section 2306a of title 10, United States Code, to require offerors to submit other than certified cost or pricing data sufficient to determine price reasonableness when certified cost or pricing data is not required. This section also would amend section 2313a of title 10, United States Code, to revise reporting requirements of the Defense Contract Audit Agency (DCAA) to provide more clarity on the cost effectiveness of
different types of audits. It would require DCAA to report separately for incurred cost, forward pricing, and other audits with regard to the number and dollar value of audits completed and pending, sustained questioned costs, the costs of performing audits, and the return on investment of conducting audits. This section also would change the inflation calculation for the thresholds for certified cost and pricing data, as well as covered contracts related to allowable costs, to be consistent with the inflation methodology in section 1908 of title 41, United States Code.

The Senate amendment contained a similar provision (sec. 813) that would amend section 2306a of title 10, United States Code, to increase the threshold for certified cost or pricing data and truth in negotiation requirements to $1.0 million.

The Senate amendment contained another similar provision (sec. 894) that would establish a standard definition for the Defense Contract Audit Agency’s (DCAA) reporting on its backlog. In future reporting, DCAA should include any individual incurred cost audit that has not been completed within 18 months after receipt of a qualified proposal as part of the incurred cost audit backlog.

The Senate recedes with an amendment that would eliminate the Senate provision related to DCAA reporting and would change the threshold for non-competitive prime contracts, modifications of such contracts, subcontracts, and modifications of subcontracts would increase from $500,000 to $2.0 million.

Applicability of cost and pricing data certification requirements (sec. 812)

The Senate amendment contained a provision (sec. 866) that would amend section 2306a(b)(1) of title 10, United States Code, to clarify that additional certification is not required for a foreign military sale where there is already an existing U.S. Government contract for the same or similar item or service for which the U.S. Government has current cost and pricing data and insights into the reasonableness of price.

The House bill contained no similar provision.

The House recedes with an amendment that would amend the pilot program on foreign military sales authorized by Section 830(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328; 130 Stat. 2286) to add in a waiver of cost or pricing certification requirements under section 2306a(a)(2) of title 10, United States Code, if the Secretary of Defense determines that the Federal Government has sufficient data and information regarding the reasonableness of the price. The amendment would further clarify that the Secretary of
Defense and the Secretary of State shall jointly determine whether a product is considered to be a similar product for purposes of the pilot program.

Sunset of certain provisions relating to the procurement of goods other than United States goods (sec. 813)

The House bill contained a provision (sec. 862) that would amend section 2534 of title 10, United States Code, and would require certain auxiliary ship components to be procured from a manufacturer in the national technology and industrial base.

The Senate amendment contained a similar provision (sec. 863) that would amend section 2534 of title 10, United States Code, to sunset miscellaneous limitations on the procurement of goods other than United States goods at the close of September 30, 2018.

The House recedes with an amendment that would apply the sunset of certain provisions relating to the procurement of goods to chemical weapons antidotes and photovoltaic devices only.

Comptroller General report on health and safety records (sec. 814)

The Senate amendment contained a provision (sec. 830) that would require contracting officers, prior to awarding or renewing covered contracts, to consider any identified violations of the Occupational Safety and Health Act of 1970 or equivalent State laws by the offeror or covered subcontractors using publicly available information. Contractors would have the right to protest bids and appeal actions taken pursuant to this provision. The provision would have also required a Comptroller General report on health and safety record of defense contractors.

The House bill contained no similar provision.

The House recedes with an amendment to require a Comptroller General report on health and safety record of defense contractors.

The conferees note that Federal Acquisition Regulations state that “purchases shall be made from, and contracts shall be awarded to, responsible prospective contractors only,” and that to be “determined responsible”, a prospective contractor must “have the necessary organization, experience, accounting and operational controls, and technical skills, or the ability to obtain them (including, as appropriate, such elements as production control procedures, property control systems, quality assurance measures, and safety programs applicable to materials
to be produced or services to be performed by the prospective contractor and subcontractors)”. The conferees direct the Secretary of Defense to ensure that contracting officials award contracts consistent with federal acquisition regulations, including those required safety elements.

The conferees further note a senior DOD official committed to “looking into how the Navy tracks and monitors workplace safety violations at the shipyards that it's doing business with,” and looks forward to being informed of the results of that review, which will support efforts to ensure that the men and women in the industrial base who support operational forces are employed in the safest possible workplaces.

The conferees direct the Secretary of Defense to brief the congressional defense committees on current policies to track incidences of health and safety violations at defense contractors; whether contracting officers are currently directed to consider such information in the course of making responsibility determinations before a contract award; and how the Department measures whether such information was in fact taken into consideration, no later than one year after the date of enactment of this Act.

Limitation on unilateral definitization (sec. 815)

The House bill contained a provision (sec. 851) that would amend section 2326 of title 10, United States Code, to require the approval of the agency head before a Department of Defense contracting officer can unilaterally definitize the specifications, terms, or price of undefinitized contractual actions (UCAs) valued greater than $1.0 billion. Currently, departmental regulations allow contracting officers to unilaterally determine reasonable prices and applicable clauses governing definitized contracts, with approval from the head of contracting activity.

The Senate amendment contained a similar provision (sec. 823) that would apply limitations and a notice and wait period to all undefinitized contractual actions of $50.0 million or greater. Such limitations would require that if an agreement is not reached on contractual terms, specifications, and price by a date certain, the contracting officer may not unilaterally definitize those terms, specifications, and price over the objection of the contractor until the head of the agency approves the definitization in writing, the contracting office provides the written approval to the contractor, and the head of the agency notifies the congressional defense committees of the approval. The contract modification unilaterally definitizing
the action should not take effect until 60 calendar days after the congressional defense committees have been notified.

The Senate recedes with an amendment that would change the dollar threshold to $50.0 million and modify the approval authority to the service acquisition executive for the military department that awarded the contract or the Under Secretary of Defense for Acquisition and Sustainment if the contract was awarded by a Defense Agency or other component of the Department of Defense.

Amendment to sustainment reviews (sec. 816)

The House bill contained a provision (sec. 854) that would amend section 2441 of title 10, United States Code, pertaining to sustainment reviews of major weapon systems to require the Secretaries of the military departments to make the results of sustainment reviews and supporting documentation available to the Under Secretary of Defense for Acquisition and Sustainment.

The Senate amendment contained no similar provision.

The Senate recedes.

Use of program income by eligible entities that carry out procurement technical assistance programs (sec. 817)

The House bill contained a provision (sec. 853) that would amend section 2414 of title 10, United States Code, to give Procurement Technical Assistance Centers limited authority to carry over program income into the next fiscal year to further program objectives.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees expect that this authority will not result in excessive fees to small businesses for procurement technical assistance services.

Enhanced post-award debriefing rights (sec. 818)

The Senate amendment contained a provision (sec. 822) that would require the Secretary of Defense, no later than 120 days after the date of enactment of this Act, to revise the Department of Defense Supplement to the Federal Acquisition Regulation to require that all mandatory post-award debriefings must provide details and comprehensive statements of the agency's rating for each evaluation criterion and of the agency's overall award decision. The revision would encourage the release of all information that would otherwise be releasable in the course of a bid protest challenge to an award
to protect the confidential and proprietary information of other offerors. This provision would allow for the opportunity for follow-up questions for a disappointed offeror within two business days of receiving a post-award debriefing to be answered in writing by the agency within five business days.

The House bill contained no similar provision.

The House recedes with an amendment that removes the bid protest decision timeline modification and requires a threshold of contract awards in excess of $100.0 million for a mandatory disclosure of the agency's written source selection award determination and an option for small businesses or nontraditional contractors with contracts in excess of $10.0 million but less than $100.0 million to request such disclosure.

Amendments relating to information technology (sec. 819)

The House bill contained a provision (sec. 873) that would eliminate the sunset of certain provisions relating to information technology, extend the sunset relating to the Federal Data Center Consolidation Initiative, and for other purposes.

The Senate amendment contained no similar provision.

The Senate recedes.

Change to definition of subcontract in certain circumstances (sec. 820)

The House bill contained a provision (sec. 859) that would amend section 1906(c)(1) of title 41, United States Code, to make the definition of subcontract in that section consistent with the definition in section 2375 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Amendment relating to applicability of inflation adjustments (sec. 821)

The House bill contained a provision (sec. 860) that would modify section 1908(d) of title 41, United States Code, to ensure 5-year inflation adjustments apply consistently to all subcontractors. Currently, inflation adjustments impact only prime contractors, so that subcontractors must maintain a compliance requirement for some contracts but not others.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.
Use of lowest price technically acceptable source selection process (sec. 822)

The House bill contained a provision (sec. 856) that would amend section 813 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to require the Secretary of Defense to amend the Defense Federal Acquisition Regulation Supplement to require that lowest price technically acceptable source selection criteria are only used in situations in which the Department would realize no or minimal additional innovation or future technological advantage, and, with respect to a contract for procurement of goods, the goods procured are predominantly expendable in nature, nontechnical, or have a short life expectancy. The provision would also require the avoidance of the use of lowest price technically acceptable source selection criteria when procuring certain types of electronic test and measurement equipment.

The Senate amendment contained a similar provision (sec. 825).

The House recedes with an amendment that makes technical clarifications.

Exemption from design-build selection procedures (sec. 823)

The House bill contained a provision (sec. 861) that would amend section 2305a of title 10, United States Code, to exempt solicitations issued pursuant to an indefinite delivery/indefinite quantity contract from the statutory limitation on the number of offerors that may proceed to step-two of the procurement selection process.

The Senate amendment contained no similar provision.

The Senate recedes.

Contract closeout authority (sec. 824)

The Senate amendment contained a provision (sec. 828) that would amend section 836(b)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to extend contract closeout authority to those contracts entered into at least 17 years before the current fiscal year.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Elimination of cost underruns as factor in calculation of penalties for cost overruns (sec. 825)
The Senate amendment contained a provision (sec. 827) that would amend section 828(b) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2430 note) to remove the use of cost underruns to offset cost overruns and avoid the cost overrun penalty, beginning in fiscal year 2018.

The House bill contained no similar provision.

The House recedes with an amendment that would limit the maximum penalty to not exceed $50.0 million per service and to clarify the accounts to which the penalties are applied.

Modification to annual meeting requirement of Configuration Steering Boards (sec. 826)

The House bill contained a provision (sec. 858) that would amend section 814 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110-417) to remove the requirement for a Configuration Steering Board to meet annually to review an acquisition program if the senior acquisition executive determines in writing that there were no changes to the requirements of the acquisition program during the preceding year.

The Senate amendment contained no similar provision.

The Senate recedes.

Pilot program on payment of costs for denied Government Accountability Office bid protests (sec. 827)

The Senate amendment contained a provision (sec. 821) that would amend chapter 137 of title 10, United States Code, to require contractors who file bid protests with the Government Accountability Office on a contract with the Department of Defense to pay to the Department of Defense costs incurred for processing a protest at the Government Accountability Office and the Department of Defense when such a protest is filed by a party with revenues in excess of $100.0 million during the previous year where all of the elements of such protest are denied in an opinion by the Government Accountability Office.

The House bill contained no similar provision.

The House recedes with an amendment that would create a three-year Department of Defense pilot program to begin two years after the date of the enactment of this Act. The triggering dollar threshold is also amended from $100.0 million to $250.0 million.
Revisions to definition of major defense acquisition program (sec. 831)

The Senate amendment contained a provision (sec. 835) that would amend section 430(a) of title 10, United States Code, to exclude defense business systems and major automated information systems from the definition of major defense acquisition program.

The House bill contained no similar provision.
The House recedes.

Prohibition on use of lowest price technically acceptable source selection process for major defense acquisition programs (sec. 832)

The Senate amendment contained a provision (sec. 836) that would amend chapter 144 of title 10, United States Code, to add a new section that would prohibit the use of a lowest price technically acceptable source selection process for the development contract of a major defense acquisition program (MDAP), beginning with programs requested for fiscal year 2019. The Secretary of Defense would be required to submit to the congressional defense committees a notification of the source selection process that the Department of Defense plans to use for the development contract of an MDAP, with the budget for which authority is requested for the development contract of an MDAP, or within 30 days before release of the request for proposals for the development contract.

The House bill contained no similar provision.

The House recedes with an amendment that would make technical amendments and limits the applicability of the provision to engineering and manufacturing development contracts.

Role of the Chief of the armed force in material development decision and acquisition system milestones (sec. 833)

The Senate amendment contained a provision (sec. 837) that would amend section 2547(b) of title 10, United States Code to include the Services Chiefs in the material development decisions and acquisition system milestone decisions with respect to major defense acquisition programs in their respective service.
The House bill contained no similar provision.
The House recedes with an amendment that would clarify the authority of Service Chiefs to concur on joint programs.

Requirement to emphasize reliability and maintainability in weapon system design (sec. 834)

The House bill contained a provision (sec. 811) that would emphasize reliability and maintainability (R&M) in the system design of a major defense acquisition program (MDAP). First, the section would require the Secretary of Defense to include R&M as attributes of the existing key performance parameter on sustainment during the requirements development process. Second, when contracting for engineering and manufacturing development (EMD) or production of an MDAP, the program manager would be required to include clearly defined and measurable requirements for engineering activities and design specifications for R&M in the contract solicitation and contract terms unless he or she determines R&M should not be a contract requirement. Third, the section would require the Secretary to encourage the use of objective R&M criteria in the source selection process. Fourth, the section would authorize the use of incentive fees and would require the use of recovery options when practicable to encourage contractor performance in R&M for EMD and production contracts. The Department would be able to exercise incentive fees and recovery options until the date of acceptance of the last item under the contract. Finally, the section would establish a program through which program managers would compete for additional funding to invest in R&M during the EMD or production of an MDAP to reduce future operating and support costs.

The Senate amendment contained no similar provision.
The Senate recedes with an amendment that would address technical and implementation concerns and provide additional flexibility to the Secretary of Defense to establish appropriate incentives.

Licensing of appropriate intellectual property to support major weapon systems (sec. 835)

The House bill contained a provision (sec. 812) that would require the Department of Defense to work with contractors to determine prices for technical data the Department plans to acquire or license before selecting a contractor for the engineering and manufacturing development phase or the production phase of a major weapon system. Additionally, this provision would encourage program managers to negotiate with
industry to obtain the custom set of technical data necessary to support each major defense acquisition program rather than, as a default approach, seeking greater rights to more extensive, detailed technical data than is necessary.

The Senate amendment contained no similar provision.
The Senate recedes.

Codification of requirements pertaining to assessment, management, and control of operating and support costs for major weapon systems (sec. 836)

The House bill contained a provision (sec. 852) that would codify section 832 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112-81; 10 U.S.C. 2430 note) on assessing and controlling operating and support costs for major weapon systems.

The Senate amendment contained no similar provision.
The Senate recedes with technical amendments and an amendment that would allow the Under Secretary of Defense for Acquisition and Sustainment to direct the military departments to collect and retain information necessary to support the database on operating and support costs.

Should-cost management (sec. 837)

The Senate amendment contained a provision (sec. 803) that would require the Secretary of Defense, within 180 days after the date of enactment of this Act, to amend the Defense Supplement to the Federal Acquisition Regulation to provide for the appropriate use of the should-cost review process in a manner that is transparent, objective, and provides for the efficiency of the systems acquisition process in the Department of Defense. The regulations required would incorporate, at a minimum, the following elements: (1) a description of the feature distinguishing a should-cost review and the analysis of program direct and indirect costs; (2) establishment of a process for communicating with the contractor the elements of a proposed should-cost review; (3) a method for ensuring that identified should-cost savings opportunities are based on accurate, complete, and current information and are associated with specific engineering or business changes that can be quantified and tracked; (4) a description of the training, skills, and experience, including cross functional experience, that Department of Defense and contractor officials carrying out a should-cost review should process; (5) a method for ensuring appropriate collaboration with the contractor throughout the review process; (6) establishment of review process requirements
that provide for sufficient analysis and minimize any impact on program schedule; and (7) a requirement that any separate audit or review carried out in connection with the should-cost review be provided to the prime contractor under the program.

The House bill contained no similar provision.

The House recedes with an amendment that would delete element seven on the requirement to provide any separate audit or review carried out in connection with the should-cost review to the prime contractor under the program.

**Improvements to test and evaluation processes and tools (sec. 838)**

The House bill contained a provision (sec. 815) that would amend sections 2366b and 2366c of title 10, United States Code, to require an assessment of the sufficiency of the developmental test plan and resources for each major defense acquisition program (MDAP) be included in the “acquisition scorecards” that were created in section 808 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make technical clarifications.

**Enhancements to transparency in test and evaluation processes and data (sec. 839)**

The House bill contained a provision (sec. 833) that would amend section 139 of title 10, United States Code, to require the Director of Operational Test and Evaluation (OT&E) to document specific circumstances that require the addition of smaller programs to the OT&E oversight list and to summarize those circumstances in the annual OT&E report. This provision would also amend section 2399 of title 10, United States Code, to require the Director of OT&E to provide data in test reports on how the capabilities of new systems being tested compare to those of legacy systems. This provision would also amend section 139 of title 10, United States Code, to enhance the opportunity of the military departments to comment on the annual OT&E report to ensure that OT&E information is complete, accurate, and timely. The section also would require improved transparency of T&E cost data to enable oversight entities to better evaluate the adequacy of a program's T&E plans and resources. It would also require the Department of Defense to develop an enterprise approach to T&E knowledge management to leverage T&E data across programs. The Director of the Test Resource Management Center and the senior Department official responsible for developmental
testing would be required to submit a report to the congressional defense committees, within 1 year after the date of the enactment of this Act, on the Department's enterprise approach.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would authorize Service Secretaries and heads of Defense Agencies to provide a description of the performance of the items or components evaluated by the Director of Operational Test and Evaluation in relation to comparable legacy items or components. The amendment would also clarify the role of the Director of the Test Resource Management Center and the Director of Cost Assessment and Program Evaluation in collection and analysis of test and evaluation cost data.

The conferees note the importance of developing an enterprise approach to knowledge management to leverage T&E data across programs to improve program outcomes. The conferees direct the Secretary of Defense, working through the Director of the Test Resource Management Center and the senior Department of Defense official with responsibility for developmental testing to provide to the congressional defense committees a report on the development of an approach for managing test and evaluation knowledge across the entire Department of Defense.

The report shall include the following elements, along with other elements as directed by the Secretary:

(A) The detailed concepts, requirements, technologies, methodologies, and architecture necessary for an enterprise approach to knowledge management for test and evaluation, including data, data analysis tools, and modeling and simulation capabilities;

(B) Resources needed to develop and adopt an enterprise approach to knowledge management for test and evaluation;

(C) Roles and responsibilities of various Department of Defense entities to develop and adopt an enterprise approach to knowledge management for test and evaluation;

(D) Time frames required to develop and adopt an enterprise approach to knowledge management for test and evaluation; and

(E) A description of pilot studies ongoing at the time of the date of the enactment of this Act or previously conducted related to developing an enterprise approach to test and evaluation knowledge management, including results of the pilot studies (if available) and lessons learned.

The report should be transmitted to the Congress no later than one year after the date of the enactment of this Act.
Enhancements to the civilian program management workforce (sec. 841)

The House bill contained a provision (sec. 821) that would require the Secretary of Defense to implement a new career development program for highly qualified, competitively selected civilian employees to increase the pool of experienced civilian employees qualified to serve as program managers for major defense acquisition programs (MDAPs). The Secretary would be required to provide a design for the program to the Committees on Armed Services of the Senate and the House of Representatives within one year after the date of the enactment of this Act. This provision would also require an independent study of personnel policies and incentives needed to attract, retain, and hold accountable civilian and military program managers for the largest and most complex acquisition programs in the Department. The study would be required to be completed within nine months after the date of the enactment of this Act, and the Secretary would be required to provide the study to the congressional defense committees within 30 days thereafter.

The Senate contained no similar provision.

The Senate recedes with an amendment that would add to the analysis on benefits an overview of any pay banding and bonuses offered to qualified civilian employees.

Credits to Department of Defense Acquisition Workforce Development Fund (sec. 842)

The Senate amendment contained a provision (sec. 844) that would amend section 1705(d)(2)(D) of title 10, United States Code, to clarify that the Secretary of Defense may adjust the amount for a fiscal year to an amount that is not more than $600.0 million and not less than $400.0 million if the Secretary determines that the amount is greater or less than reasonably needed for the purposes of the Department of Defense Acquisition Workforce Development Fund for such fiscal year to assist with acquisition workforce planning and development.

The House bill contained no similar provision.

The House recedes.

Improvements to the hiring and training of the acquisition workforce (sec. 843)
The House bill contained a provision (sec. 822) that would amend section 1705 of title 10, United States Code, to authorize the use of the Defense Acquisition Workforce Development Fund to pay salaries of personnel to manage the Fund. The section also would require the Comptroller General of the United States to submit a report to the congressional defense committees on the effectiveness of existing hiring flexibilities for the acquisition workforce, as well as the need for acquisition training for personnel who work in acquisition programs but are not formally considered part of the acquisition workforce. The provision would require the Department of Defense to evaluate gaps in knowledge of industry operations, industry motivation, and business acumen in the acquisition workforce, and would require the Under Secretary of Defense for Acquisition and Sustainment to submit a report on this evaluation to the Committees on Armed Services of the Senate and the House of Representatives by December 31, 2018. Lastly, the provision would require the Director of the Defense Contract Audit Agency to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives, not later than 180 days after the date of the enactment of this Act, on strategies to enhance the professionalization of the Agency’s workforce to meet increasing demands.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the requirement for the briefing by the Director of the Defense Contract Audit Agency and would add additional study elements for the reviews to be conducted by the Comptroller General of the United States and the Under Secretary of Defense for Acquisition and Sustainment.

**Extension and modifications to acquisition demonstration project (sec. 844)**

The House bill contained a provision (sec. 823) that would amend section 1762 of title 10, United States Code, to extend, through December 2023, the Acquisition Demonstration (AcqDemo) personnel demonstration project that was established in section 4308 of the National Defense Authorization Act for Fiscal Year 1996 (Public Law 104-106). This provision also would require the Secretary of Defense to develop an implementation strategy to address potential AcqDemo improvements that were identified in a recent RAND assessment, and to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives and the Committee on Oversight and Government Reform of the House of Representatives on the implementation
strategy within 1 year after the date of the enactment of this Act.

The Senate amendment contained a similar provision (sec. 1103) that would amend section 1762 of title 10, United States Code, to provide a permanent authority for personnel programs for employees in the Department of Defense civilian acquisition workforce and supporting personnel assigned to work directly with that workforce. The provision would also increase the number of participants from 120,000 to 130,000.

The Senate recedes with an amendment that would increase the number of participants from 120,000 to 130,000 to account for the increasing need to train individuals managing acquisition programs in cyber deterrence, detection, and response.

**SUBTITLE E—PROVISIONS RELATING TO COMMERCIAL ITEMS**

*Procurement through commercial e-commerce portals (sec. 846)*

The House bill contained a provision (sec. 801) that would require to contract with multiple commercial online marketplaces for the procurement of certain commercial-off-the-shelf (COTS) products; directs the use of certain criteria to select providers, including the ability to screen suppliers in accordance with law and regulation; and would require the Comptroller General of the United States to report on small business participation in the marketplaces.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require an implementation plan and a corresponding review by the Comptroller General of the United States, increase the General Services Administration's flexibility to implement through a phased approach, direct the submission of requests for exceptions, and limits initial implementation to procurement of items in contract amounts below the Simplified Acquisition Threshold.

The conferees note that this effort to align the government’s requirements with available commercial e-commerce portals provides unique opportunities and will pose challenges during implementation. It will require diligence in uncovering all of the potential implications, to include a full accounting of existing business processes and procedures that currently comprise those in place to conduct the procurements as well as those in place to comply with existing law and regulation. It
will also require a robust understanding of the technical features of the commercial e-commerce portals.

The conferees encourage the Administrator, General Services, to resist the urge to make changes to the existing features, terms and conditions, and business models of available e-commerce portals, but rather demonstrate the government's willingness to adapt the way it does business. Pursuant to a diligent review of existing law and regulation, the conferees direct the Administrator to be judicious in requesting exceptions.

The conferees further direct the Administrator to take great care in selecting which federal agencies and departments participate in the initial rollout phase with the expectation that the Administrator will include the Department of Defense.

The conferees are aware of various fee-based and other business-to-business arrangements to feature products offered by certain vendors in many commercial e-commerce portals. The conferees expect the Administrator to ensure that any contract of other agreement entered into for commercial e-commerce portals under this program preclude such business-to-business arrangements.

Finally, the conferees expect the Administrator to place particular emphasis on preventing suspended and debarred contractors from participation, and ensuring the appropriate participation of small and disadvantaged businesses as required under current law and regulation.

Revision to definition of commercial item (sec. 847)

The Senate amendment contained a provision (sec. 852) that would amend section 103(8) of title 41, United States Code, to clarify that nondevelopmental items are commercial items when the procuring agency determines, in accordance with conditions in the Federal Acquisition Regulation, that the item was developed exclusively at private expense and has been sold in substantial quantities on a competitive basis to multiple foreign governments.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the amendment made by this provision shall not affect the meaning of the term "commercial item" for purposes of subsection (a)(5) of section 2464 of title 10, United States Code.

Commercial item determinations (sec. 848)
The Senate amendment contained a provision (sec. 853) that would amend section 2380 of title 10, United States Code, to clarify that a contract or sub-contract relating to the prior acquisition of an item using commercial item acquisition procedures under part 12 of the Federal Acquisition Regulation (FAR) should serve as a prior commercial item determination under this section of title 10.

The House bill contained no similar provision.

The House recedes with an amendment that would designate the senior procurement executive of the military department or Department of Defense as the responsible official for reversing a prior commercial item determination and limits the scope of the provision to prime contracts.

Review of regulations on commercial items (sec. 849)

The Senate amendment contained a provision (sec. 855) that would require the Secretary of Defense to review and, if necessary, revise the Procedures by which the Department of Defense applies government-unique regulations to the process by which it buys commercial items. It would further eliminate all regulations not required by law that were promulgated after the Federal Acquisition Streamlining Act of 1996 (Public Law 103-355) that create government-unique clauses in contracts or subcontracts for the acquisition of commercial items and commercial off-the-shelf (COTS) items, except for regulations that the Secretary determines are vital to national security or required by law.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary to review determinations of the Federal Acquisition Regulations Council regarding contracts and subcontracts described in section 2375 of title 10, United States Code and propose revisions that provide exemptions unless the Secretary determines there is a reason to not do so. The amendment also requires the Secretary to review regulations not required by law or executive order for acquisition of commercial items under part 12 of the Federal Acquisition Regulation and regulations relating to acquisition of commercial-off-the-shelf items. In both cases, the Secretary is required to propose elimination of the reviewed regulations unless the Secretary determines there is a specific reason to retain them.

Training in commercial items procurement (sec. 850)
The House bill contained a provision (sec. 866) that would require the President of the Defense Acquisition University to establish a training program on part 12 of the Federal Acquisition Regulation pertaining to the procurement of commercial items.

The Senate amendment contained a similar provision (sec. 841).

The House recedes with an amendment that makes technical changes to supporting activities.

**SUBTITLE F—PROVISIONS RELATING TO SERVICES CONTRACTING**

**Improvement of planning for acquisition of services (sec. 851)**

The House bill included a provision (sec. 814) that would require the Secretary of Defense to ensure that the appropriate information is available and that the right factors are considered to enable the most effective business decisions regarding the procurement of services. This section would require the Secretaries of the Department of Defense and of the military departments to analyze spending patterns and projected future requirements for contracted services and use this analysis to inform future decisions on services acquisition. Additionally, the section would require the Secretary of Defense to submit to Congress with the annual budget clear and detailed information on the amounts requested for contracted services organized according to the common enterprise data structure required elsewhere in this Act.

The Senate amendment contained a similar provision (sec. 829) that would require the Department of Defense to include certain information on services contracts in annual future years defense programs. The amendment prohibits initiation of public-private (A-76) competitions until this information is provided or until the Secretary of Defense certifies that a plan to provide such information by the next fiscal year has been developed.

The Senate recedes with a technical amendment.

The conferees note that improving the quality of planning, programming, and budgeting for services contracting will improve transparency and allow the Department of Defense to more effectively manage and coordinate the use of service contracts. Further, the Government Accountability Office has recommended that Congress consider requiring the Department to budget for service contracting activities across the full Future Years Defense Program. The conferees note that this may not be
feasible at present, due to a number of significant organizational, business process, and data challenges. Therefore, the conferees direct the Secretary of Defense enter into an agreement with a Federally Funded Research and Development Center or other organization to provide an independent analysis of the feasibility of developing a budget request for the full Future Years Defense Program that project estimated expenditures and proposed appropriations for contracted services, including an analysis of barriers to be addressed and an estimate of a reasonable timeline to deliver such budget materials as part of the President's Budget Request. The study, along with any additional comments provided the Secretary, shall be delivered to the Congress no later than one year after the date of enactment of this Act.

*Standard guidelines for evaluation of requirements for services contracts (sec. 852)*

The House bill contained a provision (sec. 869) that would require the Secretary of Defense to encourage the use of standard guidelines for the evaluation of services contracts throughout the Department of Defense and cited the Army’s checklist as a possible model.

The Senate amendment contained no such provision.

The Senate recedes with an amendment that would remove the reference to the Army checklist.

While the conferees decline to designate a single instrument for use across the Department, the conferees firmly believe that the Department’s services contracting efforts would benefit from a far more rigorous and analytical approach than the Department has used so far. The conferees expect to see improved discipline in evaluating requirements in the near future.

*Report on outcome-based services contracts (sec. 853)*

The Senate amendment contained a provision (sec. 818) that would require a justification requirement for use of personnel and labor hours for the procurement of services valued in excess of $10.0 million unless the program manager and contracting officer first submit to the Under Secretary of Defense for Acquisition and Sustainment a written justification including the reasons for basing the contract on those requirements instead of outcome- or performance-based requirements. This authority would sunset at the close of September 20, 2022.

The House bill contained no similar provision.
The House recedes with an amendment that would require the Secretary of Defense to submit to the Committees on Armed Services of the Senate and House of Representatives, no later than April 1, 2018, a report on the merits of using outcome-based services contracts within the Department of Defense.

Pilot program for longer term multiyear service contracts (sec. 854)

The Senate amendment contained a provision (sec. 819) that would authorize the Secretary of Defense to use the existing authority under subsection (a) of section 2306c of title 10, United States Code, to enter into up to 5 contracts for periods of not more than 10 years for services described in subsection (b) of such section, which may be extended for up to 5 additional 1-year terms. This authority would be subject to a reporting requirement for the Secretary of Defense to submit a progress report to the Committees on Armed Services of the Senate and the House of Representatives no later than 1 year after the date of enactment of this Act. The provision would also require a review by the Comptroller General of the United States, who would be required to submit a report of to the congressional defense committees not later than 2 years after the date of enactment of this Act.

The Secretary of Defense would also be required to enter into an agreement no later than 90 days after enactment of this Act with an independent organization with relevant expertise to study best practices and lessons learned from using services contracts for periods longer than 5 years by commercial companies, foreign governments, and state governments, as well as service contracts for periods longer than 5 years used by the Federal Government, such as Energy Savings Performance Contracts. Such Energy Savings Performance Contracts provide an existing example of longer term multiyear service contracts and are an alternative financing mechanism designed to accelerate investment in cost effective energy conservation measures in existing federal buildings.

The House bill contained no similar provision.

The House recedes with a technical amendment.

SUBTITLE G—PROVISIONS RELATING TO OTHER TRANSACTION AUTHORITY AND PROTOTYPING

Contract authority for advanced development of initial or additional prototype units (sec. 861)
The Senate amendment contained a provision (sec. 814) that would amend chapter 137 of title 10, United States Code, and would add a new section related to the contract authority allowed for advanced development of initial or additional prototype units.

The House bill contained no similar provision.

The House recedes with an amendment that would change the dollar value of work to $100.0 million in fiscal year 2017 constant dollars and would strike the modification of competitive procedures definition.

Methods for entering into research agreements (sec. 862)

The Senate amendment contained a provision (sec. 874) that would amend section 2358 of title 10, United States Code, to explicitly authorize the use of Other Transactions Authority and Experimental Procurement Authority as methods for entering into research agreements with industry, academia, and other researchers and technology developers.

The House bill contained no similar provision.

The House recedes.

Education and training for transactions other than contracts and grants (sec. 863)

The Senate amendment contained a provision (sec. 872) that would amend subsection (g) of section 2371 of title 10, United States Code, to require the Secretary of Defense to ensure that the Department of Defense provides sufficient education and training in the use of transactions other than contracts and grants.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary to prescribe minimum levels and requirements for continuous and experiential learning, as well as training levels necessary to meet acquisition certification requirements.

Other transaction authority for certain prototype projects (sec. 864)

The House bill contained a provision (sec. 855) that would modify section 2371b of title 10, United States Code, related to other transactions authority (OTA) to ensure consistency across the language and improve clarity for how the Department of Defense makes determinations when higher level authority is needed to sign off on a specific OTA award.
The Senate amendment contained a similar provision (sec. 871).

The conferees agreed to an amendment that would modify Other Transaction Authorities by incorporating language from the House provision into the Senate provision so that Other Transactions are measured by the size of transactions rather than the size of projects, approval thresholds are increased for service acquisition executives from $50.0 million to $100.0 million and for the Under Secretary of Acquisition, Technology, and Logistics from $100.0 million to $500.0 million, and that contractors participating in small business innovation research and small business technology transfer programs shall be considered small businesses for the purposes of cost sharing requirements.

Amendment to nontraditional and small contractor innovation prototyping program (sec. 865)

The House bill contained a provision (sec. 857) that would amend section 844(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) pertaining to the nontraditional and small contractor innovation prototyping program. This provision would also add unmanned ground logistics and unmanned air logistics to the list of capabilities to be included in the program.

The Senate amendment contained no similar provision.

The Senate recedes.

Middle tier of acquisition for rapid prototype and rapid fielding (sec. 866)

The Senate amendment contained a provision (sec. 826) that would amend section 804(c)(2) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to eliminate the cost-sharing requirement for the rapid prototyping and fielding for middle tier acquisition programs.

The House bill contained no similar provision.

The House recedes with an amendment that would remove the requirement to update the Defense Acquisition Regulation Supplement with simplified procedures.

The conferees note that the Department of Defense remains delinquent on implementing the original provision from the National Defense Authorization Act for Fiscal Year 2016, which should have been implemented by April 2016. The conferees direct the Secretary of Defense to provide a briefing on implementation of section 804 of the National Defense Authorization Act for
Fiscal Year 2016 (Public Law 114-92) no later than 90 days following the enactment of this Act.

Preference for use of other transactions and experimental authority (sec. 867)

The Senate amendment contained a provision (sec. 873) that would require the Secretary of Defense to establish a preference for using transactions other than contracts, contracts, cooperative agreements, and grants for science and technology, prototyping, and experimental purposes pursuant to sections 2371, 2371b, and 2373 of title 10, United States Code. This preference should include funds expended from 6.1, 6.2, 6.3, 6.4, and other accounts used for the purposes of science and technology, prototyping, and experimental purposes.

The House bill contained no similar provision.

The House recedes with an amendment that would specify that the preference for such transactions shall be established when determined to be appropriate.

Prototype projects to digitize defense acquisition regulations, policies, and guidance, and empower user tailoring of acquisition process (sec. 868)

The Senate amendment contained a provision (sec. 895) that would direct the Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, to develop prototypes to digitize defense acquisition regulations, policies, and guidance.

The House bill contained no similar provision.

The House recedes.

SUBTITLE H—PROVISIONS RELATING TO SOFTWARE ACQUISITION

Noncommercial computer software acquisition considerations (sec. 871)

The Senate amendment contained a provision (sec. 881) that would amend section 2302 of title 10, United States Code, to define technical data with respect to software acquired by, and the means by which that data is provided to, the Department of Defense.

The House bill contained no similar provision.

The House recedes with an amendment that changes the provision from an updated definition to existing technical data
rights and instead establishes considerations for the acquisition on noncommercial computer software.

Defense Innovation Board analysis of software acquisition regulations (sec. 872)

The Senate amendment contained a provision (sec. 882) that would require the Defense Innovation Board to complete an analysis of software development and acquisition regulations for the Department of Defense. This provision would require the Secretary of Defense to report to the congressional defense committees on the preliminary findings no later than 150 days after the enactment of this Act. No later than 1 year after the Secretary tasks the Defense Innovation Board with the study, the Board should submit its report to the Secretary; no later than 30 days after receipt, the Secretary should submit the final report, together with such comments as the Secretary determines appropriate, to the congressional defense committees.

The House bill contained no similar provision.

The House recedes with an amendment that would provide additional focus to the scope of the analysis.

Pilot program to use agile or iterative development methods to tailor major software-intensive warfighting systems and defense business systems (sec. 873)

The Senate amendment contained two provisions (secs. 883 and 884) that would establish two pilots that encourage the Department’s use of tailoring to realign several major warfighting programs and defense business systems.

The House bill contained no similar provision.

The House recedes with an amendment that would combine the two provisions, extend associated timelines, modify the definition of agile development, and require staff involved in programs selected under the pilot to take training on agile methods.

The conferees note that the Department of Defense’s warfighting, business, and enterprise capabilities are increasingly reliant on or driven by software and information technology. The conferees note with concern that the Department is behind other federal agencies and industry in implementing best practices for acquisition of software and information technologies, to include agile and incremental development methods.

The conferees note that existing law and acquisition regulation provide significant flexibility to the Department and that the Department has explicitly provided for tailoring in its
acquisition directives and instructions. The conferees note with concern that the organizational culture and tradition of acquiring capabilities using a hardware-dominant approach impedes effective tailoring of acquisition approaches to incorporate agile and incremental development methods.

Therefore, the conferees expect that in conducting the program selection and tailoring under this section, the Secretary:

1. Use the tools, resources, and expertise of digital and innovation organizations resident in the Department, such as the Defense Innovation Board, the Defense Innovation Unit Experimental, the Defense Science Board, the Defense Digital Services, federally funded research and development centers, research laboratories, and other technical, management, and acquisition experts;

2. Use the digital development and acquisition expertise of the General Services Administration’s Technology Transition Service, Office of 18F; and

3. Leverage the science, technology, and innovation activities established pursuant to section 217 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92; 10 U.S.C. 2445a note).

**Software development pilot program using agile best practices (sec. 874)**

The Senate amendment contained a provision (sec. 885) that would direct the Secretary of Defense to identify between four and eight software development activities within the Department of Defense or military departments and pilot the use of modern agile methods—to include open source approaches—as well as oversight metrics appropriate for agile development.

The House recedes with amendments that would adjust the Department’s responsibilities related to data rights and modify the definition of agile development.

The conferees note that the Department of Defense’s warfighting, business, and enterprise capabilities are increasingly reliant on or driven by software and information technology. The conferees note with concern that the Department is behind other federal agencies and industry in implementing best practices for acquisition of software and information technologies, to include agile and incremental development methods.

The conferees note that existing law and acquisition regulation provide significant flexibility to the Department and that the Department has explicitly provided for tailoring in its acquisition directives and instructions. The conferees note with
concern that the organizational culture and tradition of acquiring capabilities using a hardware-dominant approach impedes effective tailoring of acquisition approaches to incorporate agile and incremental development methods.

Therefore, the conferees expect that in conducting the program selection and tailoring under this section, the Secretary:

(1) use the tools, resources, and expertise of digital and innovation organizations resident in the Department, such as the Defense Innovation Board, the Defense Innovation Unit Experimental, the Defense Science Board, the Defense Digital Services, federally funded research and development centers, research laboratories, and other technical, management, and acquisition experts;

(2) use the digital development and acquisition expertise of the General Services Administration’s Technology Transition Service, Office of 18F; and leverage the science, technology, and innovation activities established pursuant to section 217 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2445a note).

Pilot program for open source software (sec. 875)

The Senate amendment contained a provision (sec. 886) that would direct the Secretary of Defense to manage the Department’s unclassified, non-defense article, custom developed computer software code using open source licenses and an open source software repository. This provision would also direct the Secretary of Defense to consult with experts from the Defense Innovation Board, DARPA, the NSA, and the Defense Digital Service when updating the DFARS and drafting additional policy or instructions on the use of open source software and to make use of existing Department of Defense open source resources where possible. This provision would further direct the Department to make use of technology prize competitions for improving, repurposing, or reusing software, and to identify methods to reverse engineer Department of Defense software for which source code is unavailable.

The House bill contained no similar provision.

The House recedes with an amendment that would change the section of title 10 the provision amends, clarify the use of an appropriate software repository, reaffirm the existing unlimited rights terms in the Defense Federal Acquisition Regulations Supplement under which the Department of Defense may apply open source software licenses, and remove the requirement for DARPA
to identify methods to locate and reverse engineer existing DOD software for which the source code is unavailable.

The conferees note that establishing an appropriate repository for open source software will be critical for maintaining security and also to fostering a community of collaborative software experts. The conferees are pleased with the early success of the Department’s code.mil initiative and encourage the Secretary to consider use of that repository to implement this provision.

The conferees also note the importance of ensuring that the Department of Defense uses appropriate open source licenses. The Secretary of Defense shall therefore, no later than 180 days after the enactment of this Act, establish guidance to ensure that the Department of Defense applies the appropriate Open Source Initiative approved licenses to its source code.

The Secretary of Defense shall also, not later than one year after the date of the enactment of this Act, submit to the congressional defense committees a report that identifies methods by which the Department of Defense could reverse engineer legacy software for which source code is unavailable.

**SUBTITLE I—OTHER MATTERS**

*Extension of maximum duration of fuel storage contracts (sec. 881)*

The House bill contained a provision (sec. 842) that would extend from 20 to 30 years the maximum total period of Department of Defense contracts for storage, handling, or distribution of liquid fuels and natural gas.

The Senate amendment contained a similar provision (sec. 899A).

The Senate recedes.

*Procurement of aviation critical safety items (sec. 882)*

The House bill contained a provision (sec. 863) that would amend section 814 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to include the procurement of aviation critical safety items.

The Senate amendment contained no similar provision.

The Senate recedes.

*Modifications to the advisory panel on streamlining and codifying acquisition regulations (sec. 883)*
The House bill contained a provision (sec. 841) that would amend section 809 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to require the Advisory Panel on Streamlining and Codifying Acquisition Regulations to transmit its final report on January 15, 2019, rather than 2 years after the panel was established. The provision would also require the panel to transmit its final report simultaneously to the Secretary of Defense and the congressional defense committees. The provision would also extend the period of time for the Secretary to submit comments on the final report from 30 to 60 days, and would establish a termination date for the panel 180 days after transmittal of the final report.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees recognize the importance of the work of the Advisory Panel, established by the Congress, which is aimed at streamlining and improving the Department of Defense’s acquisition processes to ensure the Department’s continued technological advantages. Therefore, the conferees agree that the Advisory Panel’s work should be extended. The Advisory Panel shall provide its recommendations to the Committees on Armed Services of the Senate and the House of Representatives using a phased approached. The recommendations shall be delivered in January 2018, June 2018, and January 2019. Each report shall contain a roughly equal number of recommendations to avoid an oversized final deliverable.

The conferees also note that the panel’s projected total cost will be nearly $15.0 million for expenses, salaries, and other items given the extension authorized in this provision. Given this expenditure and the importance of acquisition reform, the conferees expect the Panel will make significant efforts to deliver actionable recommendations to both the Congress and Executive Branch, and provide supporting analyses and consultation to inform review and potential implementation of such recommendations.

Repeal of expired pilot program for leasing commercial utility cargo vehicles (sec. 884)

The House bill contained a provision (sec. 844) that would repeal an expired pilot program in section 2401a of title 10, United States Code, related to leasing utility cargo vehicles. The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note that this first, relatively narrow repeal of an outdated program in title 10, United States Code
should encourage a future, wider effort to reorganize and optimize the entirety of acquisition law.

Exception for business operations from requirement to accept $1 coins (sec. 885)

The House bill contained a provision (sec. 843) that would exempt government contractors from the requirement of section 5112(p) of title 31, United States Code, that business operations performed on Federal Government premises provide for accepting and dispensing of existing and proposed dollar coins.

The Senate amendment contained a similar provision (sec. 899B).

The Senate recedes.

Development of Procurement Administrative Lead Time (sec. 886)

The House bill contained a provision (sec. 871) that would require the Secretary of Defense to develop, make available for public comment, and finalize a definition of the term “Procurement Administrative Lead Time” or “PALT”, to be applied Department of Defense-wide, that describes the amount of time from the date on which a solicitation is issued to the date of an initial award of a contract or task order of the Department of Defense; and a plan for measuring and publicly reporting data on PALT for Department of Defense contracts and task orders above the micro-purchase threshold.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would focus the scope of the provision to contracts and task orders above the simplified acquisition threshold and would require coordination with the Administrator of the General Services Administration.

Notional milestones and standard timelines for contracts for foreign military sales (sec. 887)

The House bill contained a provision (sec. 864) that would require the Secretary of Defense to develop standard timeline milestones for the foreign military sales (FMS) process, including related contracting activities. Timeline milestones would vary by the complexity of the FMS case. This provision would also require the Secretary of Defense to submit quarterly reports to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate any FMS cases that require congressional notification, as well as an annual report
on the number of FMS cases that met and did not meet timeline milestones during the previous fiscal year.

The Senate amendment contained no similar provision.
The Senate recedes with a technical amendment.

Assessment and authority to terminate or prohibit contracts for procurement from Chinese companies providing support to the Democratic People’s Republic of Korea (sec. 888)

The House bill contained a provision (sec. 876) that would require the Secretary of Defense, in consultation with the Secretary of State, the Secretary of the Treasury, and the Director of National Intelligence, to conduct an assessment of trade between the People's Republic of China and the Democratic People's Republic of Korea, including elements deemed to be important to United States national security and defense.
The Senate amendment contained no similar provision.
The Senate recedes.

Report on defense contracting fraud (sec. 889)

The Senate amendment contained a provision (sec. 10803) that would require the Department of Defense to summarize fraud-related criminal convictions, civil judgments or settlements, and contractors who were suspended or debarred based on such convictions over the previous five fiscal years.
The House bill contained no similar provision.
The House recedes.

Comptroller General report on contractor business system requirements (sec. 890)

The House bill contained a provision (sec. 868) that would require the Comptroller General of the United States to issue a report to the congressional defense committees on the feasibility and effect of revising the applicability of certain contractor business system rules.
The Senate amendment contained no similar provision.
The Senate recedes with an amendment that would expand the review to evaluate overall implementation and effectiveness of the contractor business system program, and including the matters in the House provision, and including further matters.

Training on agile or iterative development methods (sec. 891)

The Senate amendment contained a provision (sec. 843) that would direct the Secretary of Defense, in consultation with the
President of the Defense Acquisition University, to establish an in-resident targeted training course at the Defense Acquisition University on agile acquisition, and a subject matter expert in agile methods to support implementation of agile.

The House bill contained no similar provision.

The House recedes with an amendment that would require a version of the course to be available to support pilot programs for agile development as directed by provisions elsewhere in this Act, and to be further improved based on that experience.

The conferees note the expectation that the pilot program leadership take seriously the views and observations of the subject matter expert in agile methods.

**LEGISLATIVE PROVISIONS NOT ADOPTED**

*Repeal of temporary suspension of public-private competitions for conversion of Department of Defense functions to performance by contractors*

The Senate amendment contained a provision (sec. 801) that would repeal section 325 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111-84; 123 Stat. 2253), one year after the date of enactment of this Act.

The House bill contained no similar provision.

The Senate recedes.

*Ensuring transparency in acquisition programs*

The Senate amendment contained a provision (sec. 807) that would require the Secretary of Defense to establish and implement a policy that would ensure the acquisition programs of major systems establish cost, schedule, and performance goals at the onset of the program, as well as throughout the program.

The House bill contained no similar provision.

The Senate recedes.

*Waiver authority for purposes of expanding competition*

The Senate amendment contained a provision (sec. 811) that would add a new subsection to section 2304 of title 10, United States Code, that would grant discretionary authority to the Secretary of Defense to expand competition for Department of Defense (DOD) contracts where there is only one responsible bidder for any provision of law other than subsection 2304(c) of title 10, United States Code.

The House bill contained no similar provision.

The Senate recedes.
Treatment of independent research and development costs on certain contracts

The Senate amendment contained a provision (sec. 815) that would amend section 2372 of title 10, United States Code, to modify the requirements for the Secretary of Defense to create an Advisory Panel Related to the Goal for Reimbursable Bid and Proposal Costs. The panel should be established if the amount of reimbursable bid and proposal costs paid by the Department of Defense for a fiscal year exceeds 0.75 percent of the total aggregate industry sales to the Department for the fiscal year and it should be created by the Secretary within 180 days of exceeding such threshold.

The Senate recedes.

The conferees direct the 809 Panel to review the amount of reimbursable bid and proposal costs paid by the Department of Defense and make recommendations as part of its current activities.

Nontraditional contractor definition

The Senate amendment contained a provision (sec. 816) that would amend section 2302(9) of title 10, United States Code, to clarify the definition of a nontraditional contractor to better align with the definition of an entity, which was intended to be interpreted as allowing specific business units within a corporation to be considered as nontraditional contractors.

The Senate recedes.

The conferees direct the Secretary of Defense to undertake an analysis and provide a one-time report to the congressional defense committees describing the cases in which the Department of Defense should recognize nontraditional contractors, current approaches for doing so, and recommendations for improvements to streamline access to commercial business entities, including through the defense industrial base, in support of defense technology needs.

Repeal of domestic source restriction related to wearable electronics

The Senate amendment contained a provision (sec. 817) that would clarify that the domestic source restrictions authorized under the Berry Amendment do not apply to wearable electronics. The committee notes that these technologies will provide...
advanced communications, sensing, and medical diagnostics capabilities to operational forces.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that these technologies continue to mature and create opportunities to provide advanced communications, sensing, and medical diagnostics capabilities to operational forces. The conferees urge the Department of Defense to continue to explore opportunities to leverage the best wearable electronics and advanced fabrics available to equip our nation’s war-fighters with the most modern capabilities to increase their ability to survive and their effectiveness.

Identification of commercial services

The Senate amendment contained a provision (sec. 820) that would amend section 876 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to require the Secretary of Defense to identify those industry subcategories in facilities-related services, knowledge-based services (excluding engineering services), construction services, medical services, or transportation services in which there are significant numbers of commercial services providers able to meet the requirements of the Department of Defense.

The House bill contained no similar provision.

The Senate recedes.

The conferees expect the Secretary of Defense, when promulgating regulations in accordance with section 876 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), to identify subcategories in facilities-related services, knowledge-based services, construction services, medical services, or transportation services in which there are significant numbers of commercial services providers able to meet the requirements of the Department of Defense.

Acquisition positions in the Offices of the Secretaries of the Military Departments

The House bill contained a provision (sec. 824) that would amend sections 3014, 5014, and 8014 of title 10, United States Code, to authorize the Secretaries of the military departments to exceed statutory personnel caps for civilian employees when hiring acquisition oversight personnel from the Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics or requirements personnel from the Joint Staff that supported the Joint Requirements Oversight Council.

The Senate amendment contained no similar provision.
The House recedes.
The conferees note that the Department should make every effort to retain experienced acquisition and technical talent, especially when executing budget reductions, office reorganization, and mandatory headquarters personnel reductions.

Restriction on use of reverse auctions and lowest price technically acceptable contracting methods for safety equipment

The Senate amendment contained a provision (sec. 824) that would amend section 814 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) in order to restrict the Department of Defense (DOD) from the use of reverse auctions and lowest price technically acceptable contracting methods when procuring critical safety equipment.

The Senate recedes.

Department of Defense promotion of contractor compliance with existing law

The Senate amendment contained a provision (sec. 831) that would express the Sense of Congress with respect to Department of Defense promotion of contractor compliance with existing law.

The Senate recedes.

The conferees note the following: (1) the Department of Defense should aim to ensure that parties contracting with the Federal Government abide by existing law, including worker protection laws; (2) worker protection laws, including chapter 43 of title 38, United States Code (commonly known as the “Uniformed Services Employment and Reemployment Rights Act of 1994” or “USERRA”) and the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.), were enacted to ensure equitable workplace practices; (3) identifying and helping to improve the compliance of contractors with worker protection violations will help avoid setbacks and delays stemming from contracting with non-compliant contractors; and (4) the Secretary of Defense has the authority to ensure contractors’ compliance with existing laws and should establish a goal to work with responsible contractors who are in compliance with worker protection laws.

Major defense acquisition programs: display of budget information

The House bill contained a provision (sec. 832) that would amend require greater transparency in the budget requests for
major defense acquisition programs (MDAPs). This provision would also require Budget justification documents for MDAPs to separately depict funding for developmental and operational testing and evaluation, the purchase of cost data from contractors, and the purchase or license of technical data.

The Senate amendment contained no similar provision. The House recedes.

Modification to definition of commercial items

The Senate amendment contained a provision (sec. 851) that would amend section 2376 of title 10, United States Code, to amend the definition of "commercial item" for minor modifications to ensure that government-unique systems and technologies are not treated as commercial items.

The House bill contained no similar provision. The Senate recedes.

Preference for acquisition of commercial items

The Senate amendment contained a provision (sec. 854) that would amend section 2377(b) of title 10, United States Code, to ensure that the acquisition of commercial items and nondevelopmental items take priority over any small business set-aside program that would result in a non-commercial offering but to clarify that contracts for commercial items may be set aside for small business.

The House bill contained no similar provision. The Senate recedes.

Exemption of certain contracts from inflation adjustments

The House bill contained a provision (sec. 860A) that would amend subparagraph (B) of section 1908(b)(2) of title 41, United States Code, by inserting “3131 to 3134,” after “sections”.

The Senate amendment contained no similar provision. The House recedes.

Procurement exception relating to agreements with foreign governments

The Senate amendment contained a provision (sec. 865) that would amend section 2533a of title 10, United States Code, to clarify that the requirement pertaining to procurement of items grown, reprocessed, reused, or produced in the United States does not preclude the acquisition of items as part of a weapon
system if the acquisition is necessary in furtherance of an agreement with a foreign government in which both governments agree to remove barriers to purchases of supplies produced in the other country or services performed by sources of the other country.

The House bill contained no similar provision.
The Senate recedes.

Enhancing program licensing

The Senate amendment contained a provision (sec. 867) that would require the Secretary of Defense, with the concurrence of the Secretary of State, to establish a structure implementing a revised program export licensing framework in order to provide comprehensive export licensing authorization to support large international cooperative defense programs between multiple nations and determine what, if any, regulatory authorities require modification.

The House bill contained no similar provision.
The Senate recedes.
The conferees note that large international cooperative defense programs between multiple nations, such as the Joint Strike Fighter, have the potential to overwhelm current program licensing systems. The conferees therefore direct the Secretary of Defense, with the concurrence of the Secretary of State and Secretary of Commerce, to undertake a review of the program export licensing framework to identify the changes, if any, required to support these types of programs and recommendations on how to implement such changes. The conferees further direct the Secretary of Defense, the Secretary of State, and the Secretary of Commerce, jointly to provide a briefing to the Committees on Armed Services of the Senate and House of Representatives, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives, not later than 180 days after the date of the enactment of this Act on the results of the review.

Temporary limitation on aggregate annual amount available for contract services

The House bill contained a provision (sec. 870) that would extend the cap on spending for services contracts by the Department of Defense through fiscal year 2018.
The Senate amendment contained no similar provision.
The House recedes.

Sense of Congress regarding steel produced in the United States
The House bill contained a provision (sec. 872) that would express the sense of Congress that a strong domestic iron ore and steel industry is vital to the national security of the United States. The Senate amendment contained no similar provision. The House recedes.

Improved transparency and oversight over Department of Defense research, development, test, and evaluation efforts and procurement activities related to medical research

The Senate amendment contained a provision (sec. 891) that would prohibit the Secretary of Defense from entering into a contract, grant, or cooperative agreement for congressional special interest medical research program under the Congressionally Directed Medical Research Program of the Department of Defense unless there is sufficient compliance with cost accounting standards and other specified requirements. The House bill contained no similar provision. The Senate recedes.

Rights in technical data related to medical research

The Senate amendment contained a provision (sec. 892) that would require special interest medical research programs under the Congressionally Directed Medical Research Program of the Department of Defense to include agreements that provide the United States Government with the same rights to the technical data that apply to items or processes developed under the contract, grant, or cooperative agreement as applicable under section 2320(a)(2)(A) of title 10, United States Code, to items and processes developed exclusively with federal funds. The House bill contained no similar provision. The Senate recedes.

Oversight, audit, and certification from the Defense Contract Audit Agency for procurement activities related to medical research

The Senate amendment contained a provision (sec. 893) that would require the Defense Contract Audit Agency to certify the adequacy of the accounting systems and perform an incurred cost audit prior to the obligation of funds for congressional special interest medical research programs under the Congressionally Directed Medical Research Program of the Department of Defense. The House bill contained no similar provision. The Senate recedes.
Pilot program for adoption of acquisition strategy for Defense Base Act insurance

The Senate amendment contained a provision (sec. 896) that would require the Secretary of Defense to establish a pilot program for the United States Army Corps of Engineers for purposes of adopting an acquisition strategy for insurance required by the Defense Base Act (32 U.S.C. 1651, et seq.) in order to minimize the cost of such insurance to the Department of Defense. The contract entered into under this authority would be effective for at least 3 years, or as considered appropriate by the Secretary. The committee notes that this provision is not intended to change policies on support of workmen’s compensation or reduce compensation practices. The committee believes that the provision should result in a more efficient acquisition strategy that reduces costs to the Department of Defense.

The House bill contained no similar provision.

The Senate recedes.

The conferees encourage the Department of Defense to continue working on innovative programmatic improvements for savings and efficiencies relative to the insurance required under the Defense Base Act.

Annual report on limitation of subcontractor intellectual property rights

The Senate amendment contained a provision (sec. 899) that would require the Secretary of Defense to submit to the congressional defense committees, no later than 180 days after the enactment of this Act and annually for 5 years afterwards, a report listing all contracts entered into during the previous fiscal year using procedures under part 15 of the Federal Acquisition Regulation where the prime contractor limited the intellectual property rights of one or more subcontractors without being required to do so by the United States Government.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that prime contractors may not limit subcontractor intellectual property rights except when required by the Department of Defense.

Comptroller General of the United States report on Department of Defense critical telecommunications equipment or services obtained from suppliers closely linked to a leading cyber-threat actor
The Senate amendment contained a provision (sec. 6608) that would require the Comptroller General of the United States to submit to the congressional defense committees a report on any telecommunications equipment, technologies, or services used by the Department of Defense or its subcontractors that is manufactured by, or from an entity that incorporates information technology manufactured by a foreign supplier or contractor associated with, a leading cyber-threat actor.

The House bill contained no similar provision.

The Senate recedes.

Sense of Congress on the small turbine engine industrial base

The Senate amendment contained a provision (sec. 10302) that would express the Sense of Congress that the Department of Defense should allocate funding to sustain the F107 turbine engine and contract with multiple, capable engine manufacturers to stabilize the United States small turbine engine industrial base.

The House bill contained no similar provision.

The Senate recedes.

The conferees recognize the importance of low cost turbine engines in powering munitions that support operations in the various combatant command areas of responsibility, and are aware that technology for high-efficiency, low-cost systems may be available. Low-cost is driven by competition, as well as small business participation. Therefore, the conferees encourage the Department of Defense to adequately resource efforts to identify low-cost, small engine technologies capable of powering missiles and unmanned aerial vehicles, and directs the Under Secretary of Defense for Acquisition, Technology, and Logistics to provide a briefing to the Senate Armed Services Committee and House Armed Services Committee by September 1, 2018, on current research and development efforts and the industrial base which supports this area.

Modification to the HUBZone program

The Senate amendment contained a provision (sec. 10802) that would amend section 3(p)(4)(C) of the Small Business Act (15 U.S.C. 632(p)(4)(C)) to expand the ability of small businesses in rural areas to participate in the Historically Underutilized Business Zone (HUBZone) program.

The House bill contained no similar provision.

The Senate recedes.

Buy American Act training for Defense acquisition workforce
The Senate amendment contained a provision (sec. 14008) that would require a Comptroller General review of Buy America training for the defense acquisition workforce. The House bill contained no similar provision.

The Senate recedes.

The conferees note that the Inspector General of the Department of Defense has found deficiencies in the adherence to the provisions of the Buy America Act and has recommended improvements in training for the Defense acquisition workforce. Therefore, the conferees direct the Secretary of Defense to develop a report to Congress on Buy American training policies for the defense acquisition workforce. The report shall include a summary and assessment of mandated training courses for Department of Defense acquisition personnel responsible for procuring items that are subject to the Berry Amendment and Buy America Act. The report shall be delivered to the Committees on Armed Services of the Senate and the House of Representatives not later than one year after the date of enactment of this Act.

TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

SUBTITLE A—OFFICE OF THE SECRETARY OF DEFENSE AND RELATED MATTERS

Treatment of incumbent Under Secretary of Defense for Acquisition, Technology, and Logistics (sec. 901)

The House bill contained a provision (sec. 921) that would allow the incumbent Principal Deputy Under Secretary of Defense for Acquisition, Technology, and Logistics to become the Under Secretary of Defense for Acquisition and Sustainment, and would allow the incumbent Deputy Chief Management Officer to continue to serve as the Chief Management Officer, once both positions come into effect on February 1, 2018, consistent with section 901 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328.).

The Senate amendment contained a similar provision (sec. 905) that would amend section 901(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328.) in order to repeal the section regarding service of the incumbent Under Secretary of Defense for Acquisition and Technology relative to the position of the Under Secretary of Defense for Research and Engineering.
The House recedes with an amendment that would make technical changes to the Senate provision.

Clarification of authority of Under Secretary of Defense for Acquisition and Sustainment with respect to service acquisition programs for which the service acquisition executive is the milestone decision authority (sec. 902)

The Senate amendment contained a provision (sec. 903) that would amend section 901 of title 10, United States Code, to clarify the authority of the future Under Secretary of Defense for Acquisition and Sustainment (USD (A&S)) under section 133b(b) of title 10, United States Code, with respect to service acquisition programs for which the service acquisition executive is the milestone decision authority.

The House bill contained no similar provision.

Executive Schedule matters relating to Under Secretary of Defense for Acquisition and Sustainment (sec. 903)

The Senate amendment contained a provision (sec. 904) that would establish the Under Secretary of Defense for Acquisition and Sustainment (A&S) as an Executive Level III position. When the Congress reorganized the office of Acquisition, Technology, and Logistics, the Under Secretary for Research and Engineering (R&E) was established as an Executive Level II position, which is one step below a cabinet official, in order to prioritize innovation efforts which had become moribund in recent years. The other Under Secretaries in the Office of the Secretary of Defense are Executive Level III, which is appropriately one step below the Deputy Secretary of Defense. This aligns the Under Secretary of Defense for A&S with the level of the other Under Secretaries.

The House bill contained no similar provision.

Consistent period of relief from active duty as a commissioned officer of a regular component of the Armed Forces for appointment to Under Secretary of Defense positions (sec. 904)

The Senate amendment contained a provision (sec. 908) that would establish the requirement for a 5-year separation from Active Duty as a commissioned officer before serving in a position of Under Secretary of Defense. The current requirement currently exists for three of the Under Secretaries (Research and Engineering; Acquisition and Sustainment; and Policy).
The House bill contained no similar provision. The House recedes with an amendment that would establish the requirement for a 7-year separation from Active Duty as a commissioned officer before serving in a position of Under Secretary of Defense.

Qualifications for appointment and additional duties and powers of certain officials within the Office of the Under Secretary of Defense (Comptroller) (sec. 905)

The Senate amendment contained a provision (sec. 907) that would amend section 135 of title 10, United States Code, to require individuals appointed to the positions of Under Secretary of Defense (Comptroller) and Deputy Chief Financial Officer to have significant financial management service, which includes having previously served as the chief financial officer, deputy chief financial officer, or an equivalent executive-level position with direct authority for financial management in a large public- or private-sector organization that received an audit with an unqualified opinion on its financial statements.

The House bill contained no similar provision. The House recedes with an amendment that would adjust the qualification requirements to focus on budget, financial management or audit.

Redesignation of Principal Deputy Under Secretaries of Defense as Deputy Under Secretaries of Defense and related matters (sec. 906)

The Senate amendment contained a provision (sec. 909) that would amend section 137a of title 10, United States Code, to redesignate all Principal Deputy Under Secretaries of Defense as Deputy Under Secretaries of Defense and would increase the authorized number of Deputy Under Secretaries of Defense from five to six. This amendment reflects the elimination of subordinate Deputy Under Secretaries and reflects that these positions are the immediate and senior subordinate to the Under Secretaries of Defense. Additionally, this provision would designate the newly authorized Deputy Under Secretary of Defense for Research and Engineering and the Deputy Under Secretary of Defense for Acquisition and Sustainment as two of the authorized positions, consistent with the Office of the Secretary of Defense reorganization provisions in the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The House bill contained no similar provision. The House recedes with a technical amendment.
Reduction of number and elimination of specific designations of Assistant Secretaries of Defense (sec. 907)

The Senate amendment contained a provision (sec. 910) that would amend section 138(a)(1) of title 10, United States Code, to reduce the total number of authorized Assistant Secretaries of Defense from 14 to 13, and eliminate specific designation for all but two.

The House bill contained no similar provision.

The House recedes with an amendment that would reduce the number of Assistant Secretaries of Defense from 14 to 13, and eliminate the specific designation for all but three, including the Assistant Secretary of Defense for Legislative Affairs.

Limitation on maximum number of Deputy Assistant Secretaries of Defense (sec. 908)

The Senate amendment contained a provision (sec. 911) that would set the maximum number of authorized Deputy Assistant Secretaries of Defense to 46.

The House bill contained no similar provision.

The House recedes with an amendment that would cap the number of Deputy Assistant Secretaries of Defense at 48.

Appointment and responsibilities of Chief Information Officer of the Department of Defense (sec. 909)

The Senate amendment contained a provision (sec. 902) that would amend section 142 of title 10, United States Code, concerning the Chief Information Officer (CIO), by elevating the role and realigning its authorities and responsibilities to two other officials. This provision would establish a Chief Information Warfare Officer (CIWO), who would assume responsibility for Defense-wide information warfighting functions. The roles and responsibilities of the current CIO concerning business systems and statutory requirements not specified within the CIWO’s purview would fall to the Chief Management Officer (CMO) of the Department of Defense.

The House bill contained no similar provision.

The House recedes with an amendment that would require the position to be presidentially appointed and Senate confirmed. The amendment would designate additional responsibilities related to budgets and standards and would authorize the CIO to evaluate and certify that Department of Defense budgets are sufficient in meeting Department-wide requirements for the functional areas it oversees. The CIO shall exercise its new budget authority and responsibility with respect to nuclear
command and control solely in its capacity as a support element of the Council on Oversight of the National Leadership Command, Control, and Communications System (as established in section 171a of title 10, United States Code) and solely in its capacity as a support element of the Council on Oversight of the Department of Defense Position, Navigation, and Timing Enterprise (as established in section 2279b of title 10, United States Code).

The amendment would also require the establishment of a process for developing, adopting, and publishing standards for information technology, networking, and cyber capabilities and would require that capabilities developed by the military Services and Defense Agencies adhere to such standards.

The conferees note that the addition of cybersecurity and cyber capabilities as responsibilities of the CIO are not intended to supersede, but to be complementary to, the roles and responsibilities assigned to the Principal Cyber Advisor (PCA) in section 932(c) of the National Defense Authorization Act for Fiscal Year 2014 (P.L. 113-66), as mandated in section 167b of title 10, United States Code, and as assigned by the Secretary of Defense.

The conferees expect the CIO to work closely with the PCA, to include making personnel available to the cross functional team established to staff the PCA. In making personnel available to the PCA, the CIO should ensure there is available expertise to fulfill the responsibility for certifying the military Services' cyber security and cyber capabilities budgets as they relate to effective cyber operations and a ready Cyber Mission Force.

The conferees are aware that the office of the PCA has been chronically under-resourced since its establishment and are concerned about the impact of under-resourcing on the PCA's ability to effectively execute its assigned roles and responsibilities. The conferees believe that the PCA should be more robustly manned and resourced in order to fulfill all mandates, especially for those assigned in section 167b of title 10, United States Code. Therefore, the conferees direct the Director of the Cost Assessment and Program Evaluation Office to provide an assessment of the resources required for the PCA to effectively fulfill all assigned roles and responsibilities as defined in law, statute, and as assigned by the Secretary of Defense to the congressional defense committees not later than March 1, 2017.

*Chief Management Officer of the Department of Defense (sec. 910)*
The Senate amendment contained a provision (sec. 901) that would clarify and expand the responsibilities of the Chief Management Officer (CMO) of the Department of Defense. The House bill contained no similar provision. The House recedes with an amendment to clarify the reporting chains, duties, authorities, and responsibilities of the CMO.

SUBTITLE B—DATA MANAGEMENT AND ANALYTICS

Policy on treatment of defense business system data related to business operations and management (sec. 911)

The House bill contained a provision (sec. 831) that would require the Secretary of Defense to establish that all data within Department of Defense business systems is considered owned by the Department and is readily available to the Office of the Secretary of Defense, the Joint Staff, and the military departments. The Senate amendment contained no similar provision. The Senate recedes with an amendment that would separate this portion of the original provision into a standalone provision, and would require this policy to be enacted within a year of the enactment of this Act.

The conferees note that many of the management challenges currently faced by the Department are driven by the lack of accessible, shared information and unclear data governance policies between components. Moreover, the conferees are concerned that the Department lags well behind the private sector in effectively incorporating enterprise-wide data analyses into decision making and oversight. The conferees therefore believe that a statutory requirement that the Office of the Secretary of Defense, the Joint Staff, and the military departments be given access to business-management related data, under the auspices of the Chief Management Officer, is necessary to overcome institutional and cultural barriers to information sharing. The conferees further believe that to bring about this significant culture change, it is necessary to assign responsibility at the highest levels of the Department for creating and maintaining common enterprise data.

Transparency of defense management data (sec. 912)

The House bill contained a provision (sec. 831) that would amend section 2222 of title 10, United States Code, to require that all data within Department of Defense business systems be considered owned by the Department and be readily available to
the Office of the Secretary of Defense, the Joint Staff, and the military departments.

The Senate amendment contained similar provisions (sec. 935 and sec. 937) that contained specific applications for the Department of Defense to use data to manage priority challenges.

The Senate recedes with an amendment that would clarify roles and responsibilities for establishing data-related policies, and expands the scope of the provision to include all business-management related information, not solely that from defense business systems. Further, the amendment would incorporate portions of Senate amendment provisions (sec. 935 and sec. 937) that call for data integration strategies to address high priority management challenges of the Department, and that require the establishment and maintenance of capability for oversight and management of the defense agencies and field activities.

The conferees believe that in order to implement new policies broadening access to enterprise data, the Department will need to clearly develop roles and responsibilities. Though the Chief Management Officer shall have primary decision-making authority with respect to the development and maintenance of common enterprise data, many other elements of the Department will have significant equity in this process and will desire to use the data that is exposed as a result of this policy. The conferees’ intent is that the Chief Management Officer executes the actions called for within this provision with the assistance and collaboration from other relevant components of the Department (e.g., the Under Secretary of Defense (Comptroller), Director of the Office of Cost Assessment and Program Evaluation) as desired. The conferees will remain interested in receiving feedback from the pilot programs and analytics capability described within this provision, and expect periodic reviews.

Establishment of set of activities that use data analysis, measurement, and other evaluation-related methods to improve acquisition program outcomes (sec. 913)

The Senate amendment contained a provision (sec. 936) that would require the Secretary of Defense, acting through the Deputy Chief Management Officer (and successor positions), in coordination with the Armed Forces and the Under Secretary of Defense for Acquisition, Technology and Logistics (and successor positions), to establish a set of activities that use data analysis, measurement, and other evaluation-related methods to improve the acquisition outcomes of the Department of Defense and enhance organizational learning.
The House bill contained no similar provision. The House recedes with an amendment that would further specify the training recommended by this section and would clarify roles and responsibilities in carrying out the implementation plan.

SUBTITLE C—ORGANIZATION OF OTHER DEPARTMENT OF DEFENSE OFFICES AND ELEMENTS

Qualifications for appointment of Assistant Secretaries of the military departments for financial management (sec. 921)

The Senate amendment contained a provision (sec. 922) that would amend sections 3016, 5016, and 8016 of title 10, United States Code, to require individuals appointed to the positions of Assistant Secretary of the military departments for financial management to have significant financial management service, which includes having previously served as the chief financial officer, deputy chief financial officer, or an equivalent executive-level position with direct authority for financial management in a large public- or private-sector organization that received an audit with an unqualified opinion on its financial statements.

The House bill contained no similar provision. The House recedes with an amendment that would adjust the qualification requirements to focus on budget, financial management or audit.

Manner of carrying out reductions in major Department of Defense headquarters activities pursuant to headquarters reduction plan (sec. 922)

The Senate amendment contained a provision (sec. 932) that would amend section 346 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to require that the reductions to headquarters activities made pursuant to that section be carried out after a consideration of current manpower levels, historic manpower levels, mission requirements, and anticipated staffing needs of such headquarters activities necessary to meet national defense objectives.

The House bill contained no similar provision. The House recedes with a clarifying amendment.

Certifications on cost savings achieved by reductions in major Department of Defense headquarters activities (sec. 923)
The Senate amendment contained a provision (sec. 933) that would amend section 346 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to require that the Director of Cost Assessment and Program Evaluation certify mandated cost savings estimated for headquarters reductions. The House bill contained no similar provision. The House recedes with an amendment providing 120 days for the initial certification, and 60 days for the years 2018 to 2020.

Corrosion control and prevention executives matters (sec. 924)

The House bill contained a provision (sec. 903) that would designate corrosion control and prevention executives for the military departments. The Senate amendment contained a similar provision (sec. 952). The House recedes.

Background and security investigations for Department of Defense personnel (sec. 925)

The Senate amendment contained a provision (sec. 901) that would require the Secretary of Defense to take actions to allow the Defense Security Service to conduct before October 1, 2020 all personnel background and security investigations adjudicated by the Consolidated Adjudication Facility of the Department of Defense (DOD). The House bill contained no similar provision. The House recedes with an amendment that makes technical and conforming changes and enhances reporting requirements. The conferees recommend a provision that would require the Secretary of Defense to take actions to allow the Defense Security Service (DSS) to conduct before October 1, 2020 all personnel background and security investigations adjudicated by the Consolidated Adjudication Facility (CAF) of the Department of Defense (DOD). This provision is based on the conferees’ judgement that the current situation of massive clearance delays has serious adverse effects on national security and must be addressed in order to avoid any further damage to DOD's readiness. The provision is also based on the conferees understanding that the administration supports the Secretary of Defense’s decision to have DSS conduct personnel background and security investigations adjudicated by the CAF and has recognized the Secretary’s authority to take actions necessary to implement the decision.
The background investigation process is broken. It is composed of decades-old security practices, is grossly inefficient, and has costs that have been rising steadily and substantially for years. The current situation has led to accumulation of huge indirect costs to customers like DOD; operational risks, as personnel are idled while waiting for clearances; and a degradation in workforce quality, as high-performing personnel with the best alternatives are unlikely to wait for many months to begin work for the U.S. Government. The conferees lack confidence that the current owner of the background investigation mission has the will, culture, or capability to effect vital reforms in current processes and practices.

Current practices are mired in outdated methods and non-digital, non-automated technology. Expensive human investigative resources are consumed with fact checking and data collection functions (ripe candidates for automation) as opposed to investigating substantive issues about the actions and circumstances of prospective and current employees.

A better model has been clear to policymakers for at least a decade: a “continuous evaluation” concept based on automated access to a wide array of digital sources and records. Constant access and reporting from these data sources has been demonstrated to turn up greater volumes of more serious issues than current practices; expensive human resources would then be devoted to investigating concerns arising from the continuous evaluation process. Derogatory information that crossed adjustable thresholds of seriousness would be automatically “pushed,” as alerts, to analysts for action. For current employees, information from modern insider threat programs would become an important component of the continuous evaluation process, providing information from counterintelligence, cybersecurity, human resources, physical security, and law enforcement databases and investigations.

These continuous vetting techniques would eliminate the need for infrequent but expensive “periodic re-investigations” (PRs) that are mandated today—though under the current system, PRs are so infrequent that threats are missed for long periods. DOD is already paying over $1.0 billion annually for background investigations; the backlog exceeds 700,000 cases and is growing at a rate of 10,000-20,000 per month. The Government is not going to truly address this backlog unless it substitutes technology and smart risk-based decision-making for labor-intensive activities of questionable relative value.

The conferees believe that DOD must take back responsibility for background investigations of its employees and contractors and change how these investigations are
conducted. At the same time, the conferees believe it would be a grave mistake to import back into DOD the existing OPM organization, culture, and practices. A fresh start is needed that is built incrementally on existing CE initiatives and encompasses a phased transition of responsibility from OPM to DOD.

The conferees also fully realize that there is no quick fix for the immense problems DOD faces and that the backlog and the cost of doing business could get worse before they can get better. The conferees continue to have serious concerns about the ability of DOD to manage the development of a robust CE information technology (IT) capability. The conferees also continue to be at least equally concerned about DOD's ability to orchestrate the creation of an integrated, automated, enterprise-wide insider threat detection and analysis capability. The conferees' apprehension is that the Department's leadership has not realized the level of resource commitment and time that will be involved in creating digital access and analysis capabilities to the data collected and held by all the different functional organizations - counterintelligence, personnel security, human resources, physical security, cybersecurity, law enforcement, intelligence, etc. - across the Services, combatant commands, Joint Staff, the Office of the Secretary of Defense, and all the defense agencies and field activities. This is an organizational management challenge as well as a technical challenge of the first order. The conferees expect the Department to take advantage of existing direct hiring authorities in order to build up the necessary investigative workforce to execute this mission. The conferees also recognize that the Department may need to consider establishing an appropriate funding mechanism to support this mission.

The conferees are committed to monitoring the Department's progress in taking over this new mission. DOD should look, where possible, to take advantage of the work done across government to modernize the background investigation process. The conferees are also committed to working with other congressional committees to ensure that the National Background Investigations Bureau receives adequate assessments during this transition to fully understand the impact of the transfer and resource requirements during and after the transition.

The conferees note that the reference to DOD usage of existing commercial data within this provision is not meant to extend the Department's authorities with regard to the handling and usage of personal data.
SUBTITLE D—MISCELLANEOUS REPORTING REQUIREMENTS

Additional elements in reports on policy, organization, and management goals of the Secretary of Defense for the Department of Defense (sec. 931)

The House bill contained a provision (sec. 904) that would amend section 912 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to add civilian workforce matters to the report required by that section.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would focus the additional reporting requirement on optimizing the civilian operating force structure for operational effectiveness and on hiring authorities and other actions that the Secretary of Defense or the Secretaries of the military departments will take to eliminate any gaps between desired programmed civilian workforce levels and the current size of the civilian workforce, set forth by mission and functional area.

Report and sense of Congress on responsibility for developmental test and evaluation within the Office of the Secretary of Defense (sec. 932)

The House bill contained a provision (sec. 926) that would require the Secretary of Defense to provide a briefing to the Committee on Armed Services of the House of Representatives, not later than 60 days after enactment of this Act, on a strategy to ensure that there is sufficient expertise, oversight, and policy direction on the developmental test and evaluation within the Office of the Secretary of Defense after the completion of the reorganization of such Office required under section 901 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328; 130 Stat. 2339).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would change the required briefing into a report and to clarify that the report should affirm the distinct roles of operational testing, developmental testing, and systems engineering in performing oversight activities. The provision would also clarify that developmental test officials should have access to relevant program data to perform their oversight responsibilities.

Report on Office of Corrosion Policy and Oversight (sec. 933)
The House bill contained a provision (sec. 902) that would repeal section 2228 of title 10, United States Code, requiring that there be an Office of Corrosion Policy and Oversight within the Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would direct the Secretary of Defense to deliver recommendations to the conferees no later than 90 days after the enactment of this Act on whether or not the Department should retain the Office of Corrosion Policy and Oversight. The review shall thoroughly examine and determine if any duplication exists within the office as it relates to its mission of corrosion prevention, control, and mitigation of corrosion of the military equipment and infrastructure of the Department of Defense, particularly where there is duplication in light of the grade, qualifications, and duties of the corrosion control and prevention executives in each of the military services. The review shall also recommend, if appropriate, any additional authorities the military services would require if the Department were to recommend repealing 10 U.S.C. 2228.

**SUBTITLE E—OTHER MATTERS**

Commission on the National Defense Strategy for the United States (sec. 941)

The House bill included a provision (sec. 922) that would amend section 942(e) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to provide an extension of deadlines for reporting and briefing requirements of the Commission on the National Defense Strategy.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would provide a further extension of deadlines for reporting and briefing requirements of the Commission on the National Defense Strategy. The amendment would also provide that the commission shall operate as a legislative advisory committee.

**LEGISLATIVE PROVISIONS NOT ADOPTED**

Responsibility of the Chief Information Officer of the Department of Defense for risk management activities regarding supply chain for information technology systems
The House bill contained a provision (sec. 901) that would amend section 142(b)(1) of title 10, United States Code, by making the Department of Defense Chief Information Officer responsible for policy, oversight, guidance and coordination for supply chain risk management activities for the Department’s information technology systems.

The Senate amendment contained no similar provision.

The House recedes.

Redesignation of Under Secretary of Defense for Personnel and Readiness as Under Secretary of Defense for Personnel and Health

The Senate amendment contained a provision (sec. 906) that would amend section 136 of title 10, United States Code, to redesignate Under Secretary of Defense for Personnel and Readiness as the Under Secretary of Defense for Personnel and Health and make necessary conforming amendments.

The House bill contained no similar provision.

The Senate recedes.

Redesignation of the Department of the Navy as the Department of the Navy and Marine Corps

The House bill contained a provision (sec. 911) that would redesignate the Department of the Navy as the Department of the Navy and Marine Corps. Further, this provision would redesignate the Secretary of the Navy as the Secretary of the Navy and Marine Corps.

The Senate amendment contained no similar provision.

The House recedes.

Conforming amendments to title 10, United States Code

The House bill contained a provision (sec. 912) that would make conforming amendments to title 10, United States Code, consistent with designating the Department of the Navy as the Department of the Navy and Marine Corps.

The Senate amendment contained no similar provision.

The House recedes.

Modification of definition of OSD personnel for purposes of limitation on number of Office of Secretary of Defense personnel

The Senate amendment contained a provision (sec. 912) that would amend section 143(b) of title 10, United States Code, to include contractor personnel working in the Office of the Secretary of Defense (OSD) in the total number of OSD personnel,
for purposes of adhering to the reduction in headquarters mandated by section 903(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The House bill contained no similar provision.

The Senate recedes.

Other provisions of law and other references

The House bill contained a provision (sec. 913) that would amend other references in the United States Code consistent with the designation of the Department of the Navy as the Department of the Navy and Marine Corps.

The Senate amendment contained no similar provision.

The House recedes.

Effective date

The House bill contained a provision (sec. 914) that would make certain House provisions effective on the first day of the first month beginning more than 60 days after the enactment of this Act.

The Senate amendment contained no similar provision.

The House recedes.

Reduction in authorized number of Assistant Secretaries of the military departments

The Senate amendment contained a provision (sec. 921) that would amend section 3016(a), section 5016(a), and section 8016(a) of title 10, United States Code, to reduce the number of authorized Assistant Secretaries of each of the services by one.

The House bill contained no similar provision.

The Senate recedes.

Briefing on force management level policy

The House bill contained a provision (sec. 923) that would establish findings and a Sense of Congress regarding the former Force Management Level Policy that restricted the total number of members of the Armed Forces of the United States deployed to Afghanistan.

The Senate amendment contained no similar provision.

The House recedes.

The conferees understand the Department of Defense is re-evaluating the practice of substituting contractor personnel for available members of the Armed Forces when a unit deploys overseas. No later than March 31, 2018, the conferees direct the
Secretary of Defense to provide a briefing detailing steps that the Secretary is taking to revise deployment guidelines to ensure that readiness, unit cohesion, and maintenance are prioritized and that the Secretary will avoid, to the extent practicable, this costly practice in the future.

Sense of Congress on cooperative program for information security education

The House bill contained a provision (sec. 924) that would express the sense of Congress that the Chief Information Officer of the Department of Defense and the National Institute of Standards and Technology-Manufacturing Extension Partnership should establish a cooperative program to educate and assist small- and medium-sized firms in the regulations and contracting standards governing the Department of Defense information systems.

The Senate amendment contained no similar provision.
The House recedes.

Completion of Department of Defense Directive 2310.07E regarding missing persons

The House bill contained a provision (sec. 925) that would require the Secretary of Defense to make the completion of Department of Defense Directive 2310.07E a top priority in order to improve the efficiency of locating missing persons.

The Senate amendment contained no similar provision.
The House recedes.

Reduction in limitation of number of Department of Defense SES positions

The Senate amendment contained a provision (sec. 931) that would amend section 1109(a)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to reduce the number of Department of Defense Senior Executive Service positions from 1,260 to 1,140.

The House bill contained no similar provision.
The Senate recedes.

Transfer of lead of Guam Oversight Council from the Deputy Secretary of Defense to the Secretary of the Navy

The Senate amendment contained a provision (sec. 951) that would redesignate the Secretary of the Navy as the lead for the Guam Oversight Council. This would transfer the responsibility
for the activities involving the relocation of forces, primarily Marines from Okinawa to Guam, from the Deputy Secretary of Defense to the Secretary of the Navy.

The House bill contained no similar provision.
The Senate recedes.

Requirement for National Language Service Corps

The Senate amendment contained a provision (sec. 953) that would amend subsection (a)(1) of section 813 of the David L. Boren National Security Education Act of 1991 (50 U.S.C. 1913) that would require the establishment and maintenance of a National Language Service Corps.

The House bill contained no similar provision.
The Senate recedes.

The conferees note the significant contributions of the National Language Service Corps and commend their efforts to respond rapidly to assist U.S. departments and agencies to fulfill a wide range of foreign language needs. The conferees urge the Secretary of Defense to maintain this important program.

**TITLE X—GENERAL PROVISIONS**

**SUBTITLE A—FINANCIAL MATTERS**

General transfer authority (sec. 1001)

The Senate amendment contained a provision (sec. 1001) that would authorize the Secretary of Defense to transfer up to $4.0 billion of fiscal year 2018 funds authorized in division A of this Act to unforeseen higher priority needs in accordance with normal reprogramming procedures. Transfers of funds between military personnel authorizations would not be counted toward the dollar limitation in this provision.

The House bill contained a similar provision (sec. 1001) that would authorize $5.0 billion in transfers.

The House recedes with an amendment that would authorize the Secretary of Defense to transfer up to $4.5 billion in fiscal year 2018 funds to unforeseen higher priority needs in accordance with normal reprogramming procedures.

Consolidation, codification and improvement of certain authorities and requirements in connection with the audit of the financial statements of the Department of Defense (sec. 1002)
The House bill contained provisions (sec. 1002, sec. 1003, and sec. 1004) that pertain to reporting requirements as the Department of Defense places its full financial statements under audit.

The Senate amendment contained similar provisions that centered on reporting requirements (sec. 1007, sec. 6007, sec. 6008, and sec. 11006).

The Senate recedes with an amendment that would incorporate these provisions into a new section of US Code, and would streamline existing reporting requirements to remain relevant as the Department undergoes a full financial statement audit.

The conferees note that almost 3 decades after the Chief Financial Officers Act of 1990 (Public Law 101-576) and with estimated billions invested in audit, audit readiness, and ERP efforts since 2012, the Department remains unable to obtain an opinion on its financial statements. Currently, statute relating to audit has built up over years into disorganized notes to 10 USC 2222. The conferees believe that creating a dedicated section of US Code will clarify the Department’s reporting requirements for future years. Finally, the conferees understand that the Department’s move to undergo a full financial statement audit will require new reporting requirements than those aimed at audit readiness. The conferees support the Department's focus on undergoing a full audit going forward but continue to believe in the importance of thorough oversight of the Department’s activities.

Improper payment matters (sec. 1003)

The Senate amendment contained a provision (sec. 1005) that would require the Department of Defense to comply with recommendations made by the Comptroller General of the United States that it improve the method and procedures by which it estimates, identifies susceptible programs, and reduces improper payments.

The House bill contained no similar provision. The House recedes.

Rankings of auditability of financial statements of the organizations and elements of the Department of Defense (sec. 1004)

The House bill contained a provision (sec. 1005) that would require the Secretary of Defense, in coordination with the Under Secretary of Defense (Comptroller) to submit a report
setting forth a ranking of the auditability of the financial statements of key Department of Defense components.

The Senate amendment contained a similar provision (sec. 6009).

The House recedes with an amendment that would adjust the report’s deadline and limit the requirement to a single report.

**Financial operations dashboard for the Department of Defense (sec. 1005)**

The Senate amendment contained a provision (sec. 1006) that would direct the Under Secretary of Defense (Comptroller) to establish a searchable database that contains key indicators of the financial performance of the Department of Defense, and is accessible across the government.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify those with access to the dashboard, adjust the frequency of dashboard updates, and remove the reporting requirement on value created by improved financial management.

The conferees note the value of transparency and the ability of information to drive effective and accountable government. The conferees also recognize that while the statutory language guiding the Department in its financial improvement efforts is primarily focused on the requirement for annual financial audits, Congress' intent for requiring the Department to audit its financial statements is to ensure not only that the Department complies with its Constitutional and legal obligation to account for all taxpayer funds received and expended but also that Department leadership has available reliable financial information with which to make better program management and budgeting decisions. The financial controls required to achieve and sustain a clean audit opinion reduce wasteful spending resulting from inefficiencies. Without the control environment that underpins auditability, it costs more to achieve our desired levels of military readiness. To facilitate the adoption of better financial controls and provide much-needed transparency on the cost of the Department's financial operations, this dashboard would contain key indicators of the financial performance of the Department of Defense. The conferees expect that Congress and GAO will have appropriate access to the dashboard and supporting information to enable oversight functions.

*Review and recommendations on efforts to obtain audit opinion on full financial statements (sec. 1006)*
The Senate amendment contained a provision (sec. 1004) that would reduce the annual rate of basic pay for calendar year 2020 and for each year thereafter for each secretary of a military department who does not obtain an audit opinion on their service's fiscal year 2018 financial statements. This provision would also require the Secretary of Defense to establish a team of private sector experts on financial audits to assess the Department's progress and make recommendations.

The House bill contained no similar provision.

The House recedes with an amendment that would remove the pay cuts for service secretaries, and would allow the Department to stand up the team of private sector experts immediately.

Notification requirement for certain contracts for audit services (sec. 1007)

The House bill contained a provision (sec. 865) that would require the Secretary of Defense to notify the congressional defense committees when there is a protest of a contract for auditing services that contribute to the Department of Defense achieving auditable financial statements and the Department decides not to use existing authorities to continue performance of the contract while the protest is pending.

The Senate amendment contained no similar provision.

The Senate recedes.

**SUBTITLE B—COUNTERDRUG ACTIVITIES**

Extension of authority to support a unified counterdrug and counterterrorism campaign in Colombia (sec. 1011)

The Senate amendment contained a provision (sec. 1011) that would extend by three years section 1021 of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (Public Law 108-375), as most recently amended by section 1013 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328). Additionally, the provision would amend DOD’s authority to support Colombia’s unified counterdrug and counterterrorism campaign.

The House bill contained no such provision.

The Senate recedes with an amendment that would strike the modifications to the existing authority.

The conferees recognize the remarkable security gains the Government of Colombia has achieved over the last 15 years and its contributions to regional security. The conferees strongly support the vital partnership between the United States and Colombia, note the importance of sustaining and building upon
these gains in the face of new security challenges, and urge the Department of Defense (DOD) in coordination with other relevant agencies to ensure its security cooperation programs and authorities reflect the evolving security environment in Colombia and the region.

The conferees therefore direct the Secretary of Defense, in coordination with the Secretary of State, to provide a briefing to the congressional defense committees not later than 90 days after the enactment of this Act on DOD’s plans to support the Government of Colombia and any modification to legal authorities it may need given the evolving security situation. The briefing shall include: (1) a discussion of how DOD plans to support the Government of Colombia as the disarmament, demobilization, and reintegration of the Revolutionary Armed Forces of Colombia (FARC) continues; (2) DOD’s definition of which other persistent terrorist and narcotics trafficking organizations threaten peace, stability, and U.S. interests in Colombia; (3) DOD’s views on how to appropriately adjust authorities in light of the marginalization, fragmentation, and emergence of organizations that pose such threats, and any challenges the current authority presents to supporting the Government of Colombia; and (4) any other matters that the Secretary of Defense and Secretary of State deem relevant.

Venue for prosecution of maritime drug trafficking (sec. 1012)

The Senate amendment contained a provision (sec. 14013) that would amend section 70504(b) of title 46, United States Code, on matters relating to venue for prosecution of maritime drug trafficking.

The House bill contained no similar provision.

The House recedes.

**SUBTITLE C—NAVAL VESSELS AND SHIPYARDS**

National Defense Sealift Fund (sec. 1021)

The House bill contained a provision (sec. 1011) that would amend section 2218 of title 10, United States Code, and strike the use of the fund for research and development related to national defense sealift. This section would also authorize the Secretary of Defense to purchase up to five used vessels, regardless of where constructed for the Ready Reserve Force (RRF) component on a one-by-one basis with new vessels authorized by the National Defense Sealift Fund. Finally, prior to the purchase of a vessel not constructed in the United States, the section would require the Secretary to certify that
there are no United States constructed vessels available for purchase at a reasonable price that are suitable for national defense or military purposes.

The Senate amendment contained similar provisions (sec. 1018 and sec. 1020).

The Senate recedes with an amendment that would strike the use of the fund for research and development related to national defense sealift; authorize the Secretary of Defense to purchase up to two used vessels for the RRF component, regardless of where constructed; and require inclusion of auxiliary vessels in the annual 30-year shipbuilding plan required by section 231 of title 10, United States Code.

The conferees note that the auxiliary and sealift fleets consist of numerous platforms that have or are approaching the end of their useful service life and need to be recapitalized. The current average age of the vessels in the RRF portion of the National Defense Reserve Fleet (NDRF) and the Military Sealift Command’s (MSC) surge fleet is 39 years. The fleets are comprised of many different ship classes with both U.S. and foreign-constructed vessels. The cost of maintaining this aging fleet is increasing as maintenance and repair actions are becoming more challenging due to lack of availability of spare parts and the general wear and tear on the vessels over time.

The conferees further note the administration has proposed a three-pronged plan that includes recapitalization of the existing fleet, procurement of used vessels and construction of new vessels. The conferees understand that the administration has not programmed any funds to support this new construction program and a program of record to support the Common Hull Auxiliary Multi-mission Platform (CHAMP) is still under development. The administration indicated that the development of the requirements, as well as design processes, would lead to an anticipated first delivery of new vessels in the late-2020s. The conferees also understand that the administration does not need to procure any ships in fiscal year 2018.

While the conferees support providing authority to procure two used vessels, the conferees are disappointed with the lack of detail associated with the overall program to recapitalize the surge sealift force and believe a comprehensive plan is appropriate before additional authorities are provided.

Therefore, the conferees direct the Secretary of the Navy, in consultation with the Commander, U.S. Transportation Command and the Maritime Administrator, to submit a report to the congressional defense committees not later than March 1, 2018 that includes the following items:
An assessment, by vessel, of the material condition and remaining service life of the RRF component of the NDRF and the MSC’s surge fleet;

(2) A description of any major modernization program, by vessel, that seeks to extend the service life of the RRF component of the NDRF and the MSC’s surge fleet;

(3) A notional acquisition strategy for the next five years to acquire used vessels that describes the following elements:

(a) An assessment of U.S.-built ships that could be procured for the RRF;
(b) Total number of used vessels required for purchase;
(c) A proposed timeline for the acquisition of each used vessel, the modernization or conversion of the used vessel and an initial operating capability to align with the retirement of the existing RRF vessel;
(d) A cost estimate for procurement of each used vessel and an assessment of modernization or conversion costs to support delivering a RRF vessel;
(e) A determination of the contracting agency and program office that will be used to procure, modernize or convert the used vessels; and
(f) A determination of which agency or program office will assess the material condition and ability to meet RRF or MSC surge fleet requirements of each used vessel prior to purchase;

(4) A description of the program of record associated with the CHAMP program to include major acquisition milestone events, which shall also include an assessment of the extent to which the CHAMP program could be accelerated;

(5) The fiscal profile, by account, that supports this plan to recapitalize the RRF component of the NDRF and the MSC’s surge fleet; and

(6) Additional legislative authorities, if any, necessary to continue meeting Department of Defense sealift requirements while recapitalizing the surge sealift force. Any such authorities should be supported by appropriate analysis and justification.

The conferees’ intent in revising section 231 of title 10, United States Code, is to provide greater visibility of the Navy’s long-term plans for auxiliary vessels. The Navy’s annual 30-year shipbuilding plan will now be required to include the ships contained in the auxiliary ship category of Secretary of the Navy Instruction 5030.8, as well as any RRF or MSC surge fleet vessels procured and planned to be procured with Department of Defense appropriations.
Use of National Sea-Based Deterrence Fund for multiyear procurement of certain critical components (sec. 1022)

The House bill contained a provision (sec. 1013) that would expand the authority of the Secretary of the Navy to enter into a multiyear contract for certain nuclear-powered vessel components to include missile tubes, torpedo tubes, and propulsors.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would define "critical components" as the following: a common missile compartment component, a spherical air flask, an air induction diesel exhaust valve, an auxiliary seawater valve, a hovering valve, a missile compensation valve, a main seawater valve, a launch tube, a trash disposal unit, a logistics escape trunk, a torpedo tube, a weapons shipping cradle weldment, a control surface, a launcher component, and a propulsor.

Operational readiness of littoral combat ships on extended deployment (sec. 1023)

The Senate amendment contained a provision (sec. 1017) that would amend title 10, United States Code, to provide the Secretary of the Navy with additional flexibility to maintain Littoral Combat Ships operating on deployments.

The House bill contained no similar provision.

The House recedes with an amendment that would sunset the new authorities provided by the Senate provision on September 30, 2020.

The conferees direct the Secretary of the Navy to submit to the congressional defense committees a report not later than the first day of February of 2019, 2020, and 2021 on the readiness of Littoral Combat Ships (LCSs) operating under the authorities provided by this section. This report shall include each of the following for the previous fiscal year:

1. Lessons learned regarding sustainment of LCSs while operating on deployments, including the extent to which shipboard personnel were involved in performing maintenance;
2. The sustainment strategy, including maintenance requirements, methods, and costs, utilized to support LCSs while operating on deployments;
3. Observations and recommendations regarding these authorities, including modifications that would improve the readiness of LCSs operating on deployments;
4. The effect of these authorities on material readiness and operational availability;
(5) The extent to which overseas maintenance periodicities were accomplished in the scheduled or allotted timeframes;

(6) The total cost to sustain LCSs operating on deployments, including all costs for the performance of corrective and preventative maintenance, and all facilitation costs, both ashore and shipboard;

(7) A detailed comparison of costs, including the cost of labor, between maintenance support provided in the United States and any savings achieved by performing facilities maintenance in foreign shipyards;

(8) A description of the permanent facilities required to support LCSs while operating on deployments from overseas locations; and

(9) A recommendation to either maintain or eliminate the sunset of these authorities, which would take effect on September 30, 2020.

The conferees also direct the Secretary of the Navy to submit to the congressional defense committees a report not later than 180 days after the date of enactment of this Act, which includes for the period of fiscal years 2018 through 2023: (1) a comprehensive Littoral Combat Ship maintenance plan, by level of maintenance (e.g., depot, intermediate and unit-level) and the implementation schedule for each LCS; and (2) the schedule of LCS inspections that complies with section 7304 of title 10, United States Code (i.e. Board of Inspection and Survey plan for LCSs).

Availability of funds for retirement or inactivation of Ticonderoga-class cruisers or dock landing ships (sec. 1024)

The House bill contained a provision (sec. 1015) that would prohibit the Secretary of the Navy from using funds authorized to be appropriated by this Act to retire a cruiser or dock landing ship or place in a modernization status more than six cruisers and one dock landing ship.

The Senate amendment contained no similar provision.

The Senate recedes.

Policy of the United States on minimum number of battle force ships (sec. 1025)

The House bill contained a provision (sec. 1016) that would codify at least a 355-ship Navy battle force as U.S. policy.

The Senate amendment contained a similar provision (sec. 1016).
The House recedes.

Surveying ships (sec. 1026)

The Senate amendment contained a provision (sec. 1019) that would require the Chief of Naval Operations to conduct a force structure assessment for the purpose of establishing a surveying ship requirement and provide the results to the congressional defense committees not later than 120 days after the date of enactment of this Act.

The House bill contained no similar provision.

The House recedes.

SUBTITLE D—COUNTERTERRORISM

Modification of authority on support of special operations to combat terrorism (sec. 1031)

The House bill contained a provision (sec. 1025) that would modify the biannual reporting requirements located in section 127e(g) of title 10, United States Code.

The Senate amendment contained a similar provision (sec. 1202) that would modify section 127e of title 10, United States Code related to oversight responsibilities and reporting requirements.

The House recedes with a clarifying amendment.

Termination of requirement to submit annual budget justification display for Department of Defense combating terrorism program (sec. 1032)

The House bill contained a provision (sec. 1021) that would terminate the requirement to submit an annual budget justification display for Department of Defense combating terrorism programs under section 229 of title 10, United States Code, by December 31, 2020.

The Senate amendment contained no similar provision.

The Senate recedes.

Prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to the United States (sec. 1033)

The House bill contained a provision (sec. 1022) that would prohibit the use of any amounts authorized to be appropriated or otherwise made available for the Department of
Defense to be used during the period beginning on the date of
the enactment of this Act and ending on December 31, 2018, to
transfer or release detainees at U.S. Naval Station, Guantanamo
Bay, Cuba, to or within the United States, its territories, or
possessions.

The Senate amendment contained a similar provision (sec. 1031).

The Senate recedes.

Prohibition on use of funds to construct or modify facilities in
the United States to house detainees transferred from United
States Naval Station, Guantanamo Bay, Cuba (sec. 1034)

The House bill contained a provision (sec. 1023) that
would prohibit the use of any amounts authorized to be
appropriated or otherwise made available for the Department of
Defense to be used during the period beginning on the date of
the enactment of this Act and ending on December 31, 2018, to
construct or modify any facility in the United States, its
territories, or possessions to house any detainee transferred
from United States Naval Station, Guantanamo Bay, Cuba, for the
purposes of detention or imprisonment in the custody or under
the effective control of the Department of Defense.

The Senate amendment contained a similar provision (sec. 1032).

The Senate recedes.

Prohibition on use of funds for transfer or release of
individuals detained at United States Naval Station, Guantanamo
Bay, Cuba, to certain countries (sec. 1035)

The House bill contained a provision (sec. 1024) that
would prohibit the use of any amounts authorized to be
appropriated or otherwise made available for the Department of
Defense to be used during the period beginning on the date of
the enactment of this Act and ending on December 31, 2018, to
transfer, release, or assist in the transfer or release of any
individual detained at U.S. Naval Station, Guantanamo Bay, Cuba,
to Libya, the Federal Republic of Somalia, the Syrian Arab
Republic, or the Republic of Yemen.

The Senate amendment contained a similar provision (sec. 1033).

The Senate recedes.

Prohibition on use of funds to close or relinquish control of
United States Naval Station, Guantanamo Bay, Cuba (sec. 1036)
The House bill contained a provision (sec. 1026) that would extend through fiscal year 2018, the prohibition on the use of funds to close or abandon United States Naval Station, Guantanamo Bay, Cuba, to relinquish control of Guantanamo Bay to the Republic of Cuba, or to implement a material modification to the Treaty between the United States of America and Cuba signed at Washington, D.C. on May 29, 1934, that constructively closes United States Naval Station, Guantanamo Bay.

The Senate amendment contained a similar provision (sec. 1034).

The Senate recedes.

Sense of Congress regarding providing for timely victim and family testimony in military commission trials (sec. 1037)

The House bill contained a provision (sec. 1027) that would express the sense of Congress that military judges overseeing military commissions in United States Naval Station, Guantanamo Bay, Cuba, should consider making arrangements to take recorded testimony from victims and their families should they wish to provide testimony before such a commission.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on public availability of military commissions proceedings (sec. 1038)

The House bill contained a provision (sec. 1029) that would amend section 949d of title 10, United States Code, to authorize a military judge of a military commission to order arrangements for the availability of a military commission proceeding to be watched remotely by the public through the internet, in the case of any proceeding that is made open to the public.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Comptroller General of the United States to conduct a study on the feasibility and advisability of expanding the public availability of military commissions proceedings that are made open to the public.

In conducting the required study, the conferees expect the Comptroller General to collect and evaluate views on the matter of expanding access to public military commissions proceedings from a wide variety of sources that represent the full range of interests on the matter, including, but not limited to: the Judicial Conference of the United States and its relevant committees, victims of terrorism and their families, victim
advocacy groups, jurists, legal counsel, national security policy experts, scholars, independent professional organizations, such as the American Bar Association, civil society organizations, the media, and relevant offices within the Department of Defense and other federal departments and agencies, including the Administrative Office of the U.S. Courts. The conferees also expect the required study to evaluate the potential advantages and disadvantages of arrangements that would support expanded access to public military commissions proceedings, including, but not limited to, arrangements for internet broadcasts of those proceedings.

**SUBTITLE E—MISCELLANEOUS AUTHORITIES AND LIMITATIONS**

Limitation on expenditure of funds for emergency and extraordinary expenses for intelligence and counterintelligence activities (sec. 1041)

The House bill contained a provision (sec. 1031) that would modify section 127 of title 10, United States Code, to include an additional notification requirement for intelligence and counter-intelligence activities.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the notification and reporting requirements under section 127 of title 10, United States Code.

Matters relating to the submittal of future-years defense programs (sec. 1042)

The Senate amendment contained a provision (sec. 1041) that would amend section 221 of title 10, United States Code, to require the Secretary of Defense to publish an unclassified electronic database on the Comptroller’s U.S. government restricted website for the future-years defense program and, where applicable, a separate classified annex to the congressional defense committees, Congressional Budget Office, Congressional Research Service, and Government Accountability Office.

The House bill contained no similar provision.

The House recedes with an amendment that would limit the distribution of any documents relating to the future-years defense programs to Congress, the Comptroller General of the United States, the Congressional Research Service, and the Congressional Budget Office.
Modifications to humanitarian demining assistance authorities (sec. 1043)

The House bill contained a provision (sec. 1032) that would amend section 407, of title 10, United States Code, to remove ‘‘stockpiled conventional munitions’’ from the limitations of training opportunities with partner nations. This section would also amend the definitions of ‘‘humanitarian demining assistance’’ and ‘‘stockpiled conventional munitions assistance.’’

The Senate amendment contained no similar provision.

The Senate recedes.

Prohibition on charge of certain tariffs on aircraft traveling through channel routes (sec. 1044)

The House bill contained a provision (sec. 1033) that would prohibit U.S. Transportation Command from charging a tariff when a military service operates their aircraft on a route that is designated by U.S. Transportation Command as a channel route.

The Senate amendment contained no similar provision.

The Senate recedes.

Prohibition on lobbying activities with respect to the Department of Defense by certain officers of the Armed Forces and civilian employees of the Department within two years of separation from military service or employment with the Department (sec. 1045)

The Senate amendment contained a provision (sec. 1043) that would apply a 2-year limitation on certain officers and civilian employees of the Department of Defense from engaging in any lobbying activity with respect to issues involving the Department of Defense.

The House bill contained no similar provision.

The House recedes with an amendment that would apply a 2-year limitation on officers at the O-9 or higher level and their civilian grade equivalents of the Department of Defense from engaging in any lobbying activity with respect to the Department of Defense, and a similar 1-year limitation on officers at the O-7 and O-8 level and their civilian counterparts.

Prohibition on use of funds for retirement of legacy maritime mine countermeasures platforms (sec. 1046)
The House bill contained a provision (sec. 1035) that would prohibit the Secretary of the Navy from obligating or expending funds to deactivate, decommission, or place in reduced operating status any mine countermeasures ships or Sea Dragon (MH-53) helicopters. The limitation in this section may be waived if the Secretary of the Navy certifies that the replacement mine countermeasures capabilities are available in sufficient quantity and capacity to meet the combatant commander requirements that are currently fulfilled by legacy mine countermeasures platforms.

The Senate amendment contained a similar provision (sec. 1046).

The Senate recedes with an amendment that would allow the Secretary of the Navy to waive this section for Sea Dragon (MH-53) helicopters, on a case-by-case basis, that are non-operational due to a mishap or other damage or because it is uneconomical to repair.

Report on western Pacific Ocean ship depot maintenance capability and capacity (sec. 1047)

The House bill contained a provision (sec. 1036) that would withhold funding for the Office of the Secretary of the Navy until a request for proposal for a dry dock in the Western Pacific has been issued.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would limit certain Secretary of the Navy funds until a report on ship depot maintenance capability and capacity required for U.S. Navy ships operating in the western Pacific Ocean is submitted. The amendment would also require a business case analysis and Secretary of Defense certification.

The conferees are aware the Navy is currently conducting an environmental assessment for the repair and modernization of Lima Wharf at Naval Base Guam and the current estimate for this project is approximately $97.0 million.

The conferees are also aware that there may be infrastructure investments required to support the reestablishment of a drydock capability on Guam. If the report, certification, or business case analysis required by this section demonstrate a requirement for investments in either the Lima Wharf project or infrastructure to support the reestablishment of a drydock capability on Guam, the conferees encourage the Secretary of the Navy to consider carrying out such investments at the earliest opportunity, to include use of available resources in fiscal year 2018.
Annual training regarding the influence campaign of the Russian Federation (sec. 1048)

The House bill contained a provision (sec. 545) that would authorize the Secretary of Defense to furnish annual training to all members of the Armed Forces and all civilian employees of the Department of Defense regarding attempts by the Russian Federation and its proxies and agents to influence and recruit members of the Armed Forces as part of its influence campaign.

The Senate amendment contained no similar provision.

The Senate recedes.

Workforce issues for military realignments in the Pacific (sec. 1049)

The House bill contained a provision (sec. 1062) that would amend section 1806 of title 48, United States Code, to permit the Director, U.S. Citizenship and Immigration Services, to approve H-2B visa applications and renewals through October 1, 2020, for contractors performing work on the Territory of Guam for the construction program supporting the realignment of U.S. Marines to Guam.

The Senate amendment contained a similar provision (sec. 1264) that would extend the authority for visas to be granted to individuals performing work on facilities related to the relocation of Marines to Guam from 2019 to 2023. The number of new visas that could be granted for this specific purpose would be limited to 4000.

The Senate recedes with an amendment that would extend the authority for visas to be granted to individuals performing work on military facilities for the military realignment, or on non-Department of Defense facilities that are associated with the realignment, from 2018 to 2023. The number of new visas that could be granted for this specific purpose would be limited to 4000 per fiscal year. The authority for Guam would take effect 120 days after the date of the enactment of this Act. The authority for the Commonwealth of the Northern Marianas would take effect 120 days after the Secretary of Defense certifies that all federal, state, and local approvals are in place for projects supporting the activities of the Air Force and the United States Marine Corps, or the date on which the transition program ends, whichever is later.

SUBTITLE F—STUDIES AND REPORTS
Elimination of reporting requirements terminated after November 25, 2017, pursuant to section 1080 of the National Defense Authorization Act for Fiscal Year 2016 (sec. 1051)

The House bill contained provisions (secs. 581, 1051) that would make technical and conforming amendments related to the termination of certain Department of Defense reporting requirements pursuant to section 1080 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92).

The Senate amendment contained a similar provision (sec. 1068).

The Senate recedes with technical and conforming amendments and an amendment that would require the Secretary of Defense to submit, not later than February 1, 2018, to the Committees on Armed Services of the Senate and House of Representatives a report listing reports required to be submitted to Congress by the Department of Defense from any source of law other than an annual national defense authorization act as of April 1, 2015.

The conferees agree that the Secretary of Defense is no longer required to submit the report required by the Item of Special Interest titled “Report on Statement of Budgetary Activity to assess progress toward auditability” in the Senate report accompanying S. 2410 (S. Rept. 113-176) of the National Defense Authorization Act for Fiscal Year 2015.

Report on transfer of defense articles to units committing gross violations of human rights (sec. 1052)

The House bill contained a provision (sec. 1040) that would require the Director of the Defense Security Cooperation Agency, in consultation with the appropriate United States embassy personnel in the foreign state, to determine whether the government of the foreign state has transferred any defense article to a unit that is prohibited from receiving assistance from the United States by reason of a determination by the Secretary of State that there is credible evidence that such unit has committed a gross violation of human rights. The Secretary of Defense would be required to submit a report with the determination to the Committee on Armed Services and the Committee on Foreign Relations of the Senate and the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require a report describing the current laws, guidance, and policies for Department of Defense personnel to monitor and report the
transfer of equipment, provided to the government of a foreign
state pursuant to a Department of Defense assistance authority,
that has subsequently been provided by that government to a unit
that is prohibited from receiving assistance from the United
States by reason of a determination by the Secretary of State
that there is credible evidence that such unit has committed a
gross violation of human rights. It would also require a
description of any confirmed instances of such transfers since
January 1, 2016.

Report on the National Biodefense Analysis and Countermeasures
Center (sec. 1053)

The House bill contained two provisions (sec. 1043 and
sec.) that would limit the use of funds to support the closure
of a biosafety level 4 laboratory and would require the
Secretary of Defense to submit a report on the National
Biodefense Analysis and Countermeasures Center (NBACC).
The Senate amendment contained a similar provision (sec.
14007).
The Senate recedes with an amendment that would require
the Secretary of Defense and the Secretary of Homeland Security
to submit a report on the NBACC.

Report on Department of Defense Arctic capability and resource
gaps and required infrastructure (sec. 1054)

The House bill contained a provision (sec. 1052) that
would require the Secretary of Defense to submit to the
congressional defense committees a report, not later than 90
days after the date of enactment of this Act, detailing the
Department of Defense's efforts to resolve Arctic security
capability and resource gaps.
The Senate amendment contained no similar provision.
The Senate recedes with an amendment that would
incorporate additional requirements on the readiness challenges
posed by the Arctic region.

Review and assessment of Department of Defense personnel
recovery and nonconventional assisted recovery mechanisms (sec.
1055)

The House bill contained a provision (sec. 1053) that
would direct the Secretary of Defense to submit to the
congressional defense committees a review and assessment of
personnel recovery and nonconventional assisted recovery
programs, authorities, and policies not later than March 1, 2018.

The Senate amendment contained no similar provision. The Senate recedes with a clarifying amendment.

Mine warfare readiness inspection plan and report (sec. 1056)

The House bill contained a provision (sec. 1054) that would require the Navy to submit a plan for a readiness inspection of naval mine warfare units and report to Congress on the results after the first inspection has been completed. This section would also repeal section 1090 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92). The Senate amendment contained no similar provision. The Senate recedes.

Annual report on civilian casualties in connection with United States military operations (sec. 1057)

The House bill contained a provision (sec. 1055) that would require the Secretary of Defense to submit to the congressional defense committees a report on strikes carried out by the Department of Defense against terrorist targets. The Senate amendment contained a similar provision (sec. 1070) that would also require the Secretary of Defense to submit to the congressional defense committees a report on civilian casualties caused as a result of United States military operations during the preceding year. The report is to be delivered no later than May 1 of each year. The House recedes with clarifying amendment.

Report on Joint Pacific Alaska Range Complex modernization (sec. 1058)

The House bill contained a provision (sec. 1057) that would require the Secretary of the Air Force to submit a report to the congressional defense committees regarding proposed improvements to the Joint Pacific Alaska Range Complex within 120 days after the date of enactment of this Act. The Senate amendment contained no similar provision. The Senate recedes.

Report on alternatives to aqueous film forming foam (sec. 1059)

The House bill contained a provision (sec. 1060) that would require the Secretary of Defense to submit to the congressional defense committees a report on the Department of
Defense’s development of safe and effective alternatives to aqueous film forming foam.

The Senate amendment contained no similar provision.
The Senate recedes.

Assessment of global force posture (sec. 1060)

The Senate amendment contained a provision (sec. 1061) that would require the Secretary of Defense, in consultation with the Chairman of the Joint Chiefs of Staff and the combatant commanders, to conduct an assessment of the global force posture of the Armed Forces. The provision would also require the Secretary to submit a report on the assessment to the Committees on Armed Services of the Senate and the House of Representatives not later than the earlier of 180 days after production of the 2018 National Defense Strategy or December 31, 2018.
The House bill contained no similar provision.
The House recedes with an amendment that would require the Secretary of Defense to consult with the chiefs of the military services, in addition to the Chairman of the Joint Chiefs of Staff and the commanders of the combatant commanders, when conducting the assessment of the global force posture of the Armed Forces. The amendment would also make minor changes to the required report.

Army modernization strategy (sec. 1061)

The Senate amendment contained a provision (sec. 1062) that would require the Secretary of the Army to develop a comprehensive modernization strategy for the total Army.
The House bill contained no similar provision.
The House recedes with an amendment that would require the Army to include a detailed description of its combat vehicle modernization priorities over the next 5 and 10 years. The amendment also directs the Secretary of the Army to submit its modernization strategy to the congressional defense committees not later than April 30, 2018. Furthermore, the amendment also directs the Comptroller General of the United States to conduct an assessment of the Army Modernization Strategy and provide the congressional defense committees with a briefing on its findings no later than May 1, 2018. The amendment also calls for a report on the Comptroller General’s final assessment to be submitted to the congressional defense committees.
The conferees agree that this provision will address the reporting requirements as required in the House report accompanying H.R. 2810 (H. Rept. 115-200) of the National Defense Authorization Act for Fiscal Year 2018 on armored combat
team modernization, and, as a result, the Secretary of the Army and the Comptroller General of the United States are not required to provide the report specified in H. Rept. 115-200.

The conferees expect that this strategy will explicitly address the Army's vision, end-state, key objectives, war fighting challenges, and risks. It should be sufficiently descriptive to drive requirements, set priorities, identify opportunity costs, and establish acquisition timelines.

The strategy shall describe how the Army intends to fight and win as part of a joint force engaged in combat across all operational domains to include: current trends and developments in weapons and equipment technologies; the rapid pace with which potential peer adversaries are evolving new tactics and force design; and the definition of what the Army will need to maintain command, control, communications, and sustainment of dispersed combat and combat support units in the face of electronic and cyber-attacks.

**Report on Army plan to improve operational unit readiness by reducing number of non-deployable soldiers assigned to operational units (sec. 1062)**

The Senate amendment contained a provision (sec. 1063) that would require the Secretary of the Army to submit a report to the congressional defense committees detailing the Army's plan to improve operational unit readiness by reducing the number of non-deployable soldiers assigned to those units and replacing them with soldiers capable of worldwide deployment.

The conferees are concerned that these levels of non-deployable soldiers assigned to operational units are negatively affecting training, training management efficiencies, equipment maintenance, small unit cohesion, and combat effectiveness.

The House bill contained no similar provision.

The House recedes.

**Efforts to combat physiological episodes on certain Navy aircraft (sec. 1063)**

The Senate amendment contained a provision (sec. 1064) that would require the Secretary of the Navy to provide quarterly updates on the progress of the Navy's Physiological Episode Team and its efforts to combat physiological episodes in F/A-18 Hornets and Super Hornets, EA-18 Growlers, and T-45 Goshawks.

The House bill contained no similar provision.

The House recedes.
Studies on aircraft inventories for the Air Force (sec. 1064)

The Senate amendment contained a provision (sec. 1065) that would direct the Secretary of Defense to commission three studies to recommend future aircraft inventories and capability mixtures of Air Force aircraft.

The House bill contained no similar provision.

The House recedes.

Department of Defense review of Navy capabilities in the Arctic region (sec. 1065)

The Senate amendment contained a provision (sec. 1072) that would require the Secretary of the Navy to submit a report on Navy capabilities in the Arctic region to the congressional defense committees not later than 180 days after the date of enactment of this Act.

The House bill contained no similar provision.

The House recedes.

Comprehensive review of maritime intelligence, surveillance, reconnaissance, and targeting capabilities (sec. 1066)

The Senate amendment contained a provision (sec. 11607) that would require the Secretary of the Navy to submit to the congressional defense committees a comprehensive review of maritime intelligence, surveillance, reconnaissance, and targeting not later than May 1, 2018.

The House bill contained no similar provision.

The House recedes with a technical amendment.

The conferees understand Navy leaders are pursuing initiatives focused on greater weapon lethality through increased targeting options, including "networking everything to everything", the "Navy Tactical Cloud", and the "kill web". The conferees’ intent is for this report to evaluate the sufficiency of these initiatives to meet the maritime intelligence, surveillance, reconnaissance, and targeting (ISR&T) warfighting requirements for Navy ships, submarines, and aircraft in highly contested environments.

The conferees are concerned that the advanced electronic warfare capabilities, including jamming, of potential adversaries could result in more vulnerable "inorganic" capabilities and networks in a "kill web", as compared to "organic" sensors on platforms. The conferees expect to learn from this report if warfighting requirements for ISR&T in contested electromagnetic environments necessitate greater ISR&T
capability or capacity on and from ships and submarines (i.e. "organic" ISR&T).

Additionally, the conferees seek to understand the information architecture into which various existing and planned ISR&T systems will integrate, with particular attention given to sufficiency, effectiveness, latency, and redundancy.

Report on the need for a Joint Chemical-Biological Defense Logistics Center (sec. 1067)

The Senate amendment contained a provision (sec. 10902) that would require the Secretary of Defense to conduct a report on the need for a Joint Chemical-Biological Defense Logistics Center.

The House bill contained no similar provision.

The House recedes.

Missile Technology Control Regime Category I unmanned aerial vehicle systems (sec. 1068)

The Senate amendment contained a provision (sec. 1044) that would establish the definition of an unmanned aerial vehicle as an aerial vehicle that is not controlled by a human being, but would not include a vehicle that is remotely piloted.

The House recedes with an amendment that would require the Secretary of Defense and the Secretary of State to provide Congress with a report providing an evaluation of the impact to national security of current United States policy regarding proliferation of complete unmanned aerial vehicle systems under Category I of the Missile Technology Control Regime.

Recommendations for interagency vetting of foreign investments affecting national security (sec. 1069)

The Senate amendment contained a provision (sec. 1066) that would require the Secretary of Defense, in consultation with the Secretary of State and the Secretary of Treasury, to conduct an assessment and develop and present to Congress a plan for the Department of Defense and recommendations for other agencies for how certain foreign investments can be better vetted. This provision would also direct the Department of Defense to provide to the Committees on Armed Services of the Senate and the House of Representatives an interim report within 90 days and a final report within 180 days of the enactment of this Act.

The House bill contained no similar provision.
The House recedes with an amendment that would require concurrence from the Secretary of State and the Secretary of Treasury, and the Director of National Intelligence. The amendment would also refine the focus of the plan and recommendations.

**Briefing on prior attempted Russian cyber attacks against defense systems (sec. 1070)**

The House bill contained a provision (sec. 1059) that would require the Secretary of Defense to submit to the Congress a report on all prior attempted Russian cyber attacks against Department of Defense systems within the last 2 years. The Senate amendment contained no similar provision. The Senate recedes with an amendment requiring a briefing.

**Enhanced analytical and monitoring capability of the defense industrial base (sec. 1071)**

The House bill contained a provision (sec. 1079) that would require the President, in consultation with the Secretary of State, the Secretary of the Treasury, the Secretary of Defense, the Attorney General, the Secretary of Homeland Security, the Director of National Intelligence, and the Director of the National Security Agency, to issue to the appropriate congressional defense committees, a report combining relevant reports on the adequacy of, vulnerabilities of, and concentration of purchases in the defense industrial sector. The provision would further require the Secretary of Defense to develop and maintain a database of all relevant transactions. The Senate bill contained no similar provision. The Senate recedes with an amendment that would strike the requirement to establish a database and require the Secretary of Defense to create a new process to analyze potential transactions with foreign companies with national security implications.

**Report on defense of combat logistics and strategic mobility forces (sec. 1072)**

The Senate amendment contained a provision (sec. 6003) that would require the Secretary of the Navy to submit a report on the defense of combat logistics and strategic mobility forces to the Committees on Armed Services of the Senate and House of Representatives not later than January 1, 2018. The House bill contained no similar provision. The House recedes with a technical amendment.
Report on acquisition strategy to recapitalize the existing system for undersea fixed surveillance (sec. 1073)

The Senate amendment contained a provision (sec. 11606) that would require the Secretary of the Navy to submit a report on the acquisition strategy to recapitalize the existing system for undersea fixed surveillance to the congressional defense committees not later than 60 days after the date of enactment of this Act.

The House bill contained no similar provision.

The House recedes.

Report on implementation of requirements in connection with the organization of the Department of Defense for management of special operations forces and special operations (sec. 1074)

The Senate amendment contained a provision (sec. 10901) that would require the Secretary of Defense to submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the implementation of section 922 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2354) and the amendments made by that section not later than 90 days after the date of the enactment of this Act.

The House bill contained no similar provision.

The House recedes with a clarifying amendment.

The conferees note that section 922 of the National Defense Authorization Act for Fiscal year 2017 (P.L.114-328) included a number of reforms designed to enhance the role of the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict (ASD SOLIC) in providing for the oversight and advocacy of special operations forces (SOF). The conferees support efforts by the Department to implement these reforms, including by taking steps to emphasize the role of the ASD SOLIC in budgeting, programming, and personnel matters in recent months. However, the conferees also believe much more remains to be done to achieve the full intent of the provision. In particular, the conferees believe that the “service secretary-like” mission of the ASD SOLIC should be more robustly manned and resourced in order to fulfill the ASD SOLIC’s mandate under title 10, United States Code. The conferees believe that the ASD SOLIC is unlikely to be able to effectively achieve congressional intent within its currently assigned manpower and resources.

Therefore, the conferees direct the Comptroller General of the United States to submit to the Committee on Armed Services of the Senate and the House of Representatives a review of the
report required by this section that assesses: 1) the extent to which the report addressed elements described in subsection (b) of such section; 2) the adequacy and completeness of the assumptions reviewed to establish the manpower requirements described in the report; 3) any actions taken or planned to implement actions identified in the report; and 4) any other matters the Comptroller General determines are relevant. Not later than 90 days after the date on which the Department submits the required report, the Comptroller General shall provide a briefing to the Committee on Armed Services of the Senate and the House of Representatives the preliminary results of its assessment.

Report on the global food system and vulnerabilities relevant to Department of Defense missions (sec. 1075)

The Senate amendment contained a provision (sec. 11002) that would require the Secretary of Defense, in consultation with the heads of such components of the Department of Defense as the Secretary considers appropriate, to submit to the congressional defense committees an assessment of Department of Defense policies and operational plans for addressing the national security implications of global food system vulnerabilities not later than one year after the date of the enactment of this Act.

The House bill contained no similar provision.

The House recedes.

**SUBTITLE G—MODERNIZING GOVERNMENT TECHNOLOGY**

Modernizing Government Technology Act (secs. 1076-1078)

The Senate amendment contained provisions (secs. 1091-1094), that together would authorize two types of funds for the purpose of modernizing the federal government’s legacy information technology (IT) and to incentivize IT savings in federal agencies. The provisions authorize all Chief Financial Officer (CFO) Act agencies to establish agency-specific IT modernization funds and the U.S. Office of Management and Budget (OMB) to oversee a government-wide IT modernization fund in the U.S. Department of Treasury to be administered by the General Services Administration.

The House bill contained no similar provision.

The House recedes.
Technical, conforming, and clerical amendments (sec. 1081)

The House bill contained a provision (sec. 1061) that would make a number of technical, conforming, and clerical amendments to existing law.

The Senate amendment contained no similar provision.

The Senate recedes with technical amendments.

Clarification of applicability of certain provisions of law to civilian judges of the United States Court of Military Commission Review (sec. 1082)

The Senate amendment contained a provision (sec. 529) that would amend section 950f of title 10, United States Code, to clarify that civilian judges appointed to the United States Court of Military Commission Review are authorized to engage in outside business activities, including the practice of law, when not performing the duties of a judge on the court.

The House bill contained no similar provision.

The House recedes.

Modification of requirement relating to conversion of certain military technician (dual status) positions to civilian positions (sec. 1083)

The House bill contained a provision (sec. 501) that would make a technical modification to section 1053 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92; 129 Stat. 981; 10 U.S.C. 10216 note) by striking 20 percent and replacing it with 4.8 percent.

The Senate amendment contained a provision (sec. 1045) that would make a technical modification to section 1053 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92; 129 Stat. 981; 10 U.S.C. 10216 note) by striking 20 percent and replacing it with 12.6 percent.

The House recedes with a technical amendment.

National Guard accessibility to Department of Defense issued unmanned aircraft (sec. 1084)

The House bill contained a provision (sec. 1065) that would require the Secretary of Defense, in coordination with the Chief of the National Guard Bureau, the Commander, U.S. Northern Command, and the Commander, U.S. Pacific Command, to complete an
efficiency and effectiveness review of the governance structure, coordination processes, documentation, and timing requirements stipulated in Department of Defense policy memorandum 15-002, titled "Guidance for the Domestic Use of Unmanned Aircraft Systems (UAS)." This section would require the review to be completed not later than 1 year after the date of the enactment of this Act and the Secretary of Defense to submit the review to the Committees on Armed Services of the Senate and the House of Representatives not later than 30 days after its completion.

The Senate amendment contained no similar provision.

The Senate recedes.

Sense of Congress regarding aircraft carriers (sec. 1085)

The House bill contained a provision (sec. 1066) that would express the sense of Congress regarding United States aircraft carriers.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Sense of Congress recognizing the United States Navy Seabees (sec. 1086)

The House bill contained a provision (sec. 1068) to recognize the United States Navy Seabees and Navy construction force personnel for the Navy and the Marine Corps as critical elements in deterring conflict, overcoming aggression, and rebuilding democratic institutions.

The Senate amendment contained no similar provision.

The Senate recedes with technical amendments.

Construction of memorial to the crew of the Apollo I launch test accident at Arlington National Cemetery (sec. 1087)

The House bill contained a provision (sec. 1077) that would require the Secretary of the Army, in consultation with the Administrator of the National Aeronautics and Space Administration, to construct in Arlington National Cemetery a memorial marker honoring the crew members of the Apollo I who died during a launch rehearsal test.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of the Army to authorize the construction of a privately financed memorial honoring the crew members of the Apollo I mission on space that is not otherwise suitable for interment sites and consistent with the applicable requirements of section 2409(b)(2)(E) of title 38, United States Code.
**Department of Defense engagement with covered non-Federal entities (sec. 1088)**

The Senate amendment contained a provision (sec. 1082) that would express the sense of the Senate on the contributions of qualified non-Federal entities to the effectiveness of the mission of the Department of Defense and would require the Secretary of Defense not later than 120 days after the date of enactment of this Act to conduct a review of guidance within the Department of Defense (DOD) applicable to collaborations between military commanders and qualified non-federal Entities and, if determined as appropriate in light of the review, issue additional guidance within 180 days after the date of enactment of this Act.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense and the Secretary of State to jointly conduct a review of existing DOD guidance applicable to DOD engagements with covered non-Federal entities and require the Secretary of Defense, with the concurrence of the Secretary of State, to issue updated guidance applicable to such engagements, if appropriate. The conferees intend for the required review and any subsequent guidance issued by the Secretary of Defense to ensure that there is clear and consistent guidance with regard to engagement between DOD and covered non-Federal entities which support United States military missions abroad.

**Prize competition to identify root cause of physiological episodes on Navy, Marine Corps and Air Force training and operational aircraft (sec. 1089)**

The Senate amendment contained a provision (sec. 1085) that would authorize the Secretary of Defense to establish a prize competition designed to accelerate the identification of root causes of, and solutions to, physiological episodes experienced in Navy, Marine Corps and Air Force training and operational aircraft.

The House bill contained no similar provision.

The House recedes with an amendment that would, prior to the exercise of the authority, require the Secretary of Defense to certify that any competition would not compromise classified or proprietary information or intellectual property.

**Providing assistance to House of Representatives in response to cybersecurity events (sec. 1090)**
The House bill contained a provision (sec. 1073) that would allow the Speaker of the House of Representatives to request assistance from the head of any Executive department, military department, or independent entity in the case of a cybersecurity event. The provision would mandate that the head of the department or establishment would begin to provide appropriate assistance not later than 24 hours after receiving the request.

The Senate amendment contained no similar provision.

The House recedes.

Transfer of surplus firearms to Corporation for the Promotion of Rifle Practice and Firearms Safety (sec. 1091)

The House bill contained a provision (sec. 1064) that would require the Secretary of the Army to transfer surplus firearms to the Corporation for the Promotion of Rifle Practice and Firearms Safety. This provision would also repeal a provision (36 USC 40728) limiting such transfers to not more than 10,000 pistols annually, and also would terminate the pilot program established in section 1087 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 113-66).

The Senate amendment contained a similar provision (sec. 1087) and would require further that such pistols be sold at fair market value and that the proceeds of such sales, less transfer and storage costs, be deposited into the Treasury as miscellaneous receipts.

The Senate recedes with an amendment that would create a temporary directive authority, during fiscal years 2018 and 2019, and require the Secretary of the Army to transfer not less than 8,000 surplus caliber .45 M1911/M1911A pistols in fiscal year 2018 and not more than 10,000 pistols each year for fiscal years 2018 and 2019. Additionally, the amendment would require the Secretary of the Army to submit to Congress a report detailing the transfer and sale of firearms not later than 5 days after the release of the President’s budget for a fiscal year. The amendment would also require the Secretary of the Army to enter into a contract with a federally funded research and development center (FFRDC) to conduct an evaluation of the Corporation for the Promotion of Rifle Practice and Firearms Safety for the purpose of assessing future transfers of excess firearms to the Corporation with a final report delivered to the congressional defense committees not later than January 1, 2019. Finally, the amendment would require the Comptroller General of the United States to conduct a concurrent review of the Corporation and to submit to the congressional defense committees an independent review of the FFRDC evaluation not
later than 120 days after the Secretary of the Army submits the evaluation to Congress.

The conferees note that after the temporary directive authority has expired, and if no further legislative action is taken, the Army shall revert to the permissive authority currently in statute.

Collaboration between Federal Aviation Administration and Department of Defense on unmanned aircraft systems (sec. 1092)

The House bill contained a provision (sec. 1082) that would encourage the Federal Aviation Administration (FAA) and the Department of Defense (DOD) to collaborate on sense-and-avoid capabilities for unmanned aircraft systems.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would restore the rules adopted by the Administrator of the Federal Aviation Administration governing the registration and marking requirements of small unmanned aircraft that were published on December 16, 2015.

The conferees believe it is in the national interest to effectively and expeditiously integrate unmanned aircraft systems into the National Airspace System (NAS). In particular, the conferees believe FAA and DOD collaboration regarding sense and avoid technology is necessary to facilitate DOD unmanned aircraft into the NAS for operational and testing requirements in an efficient and timely manner. Further, the conferees believe that registration of unmanned aircraft is consistent with the long-standing requirement for registration of aircraft under title 49, United States Code, section 44101, and is necessary to promote safety and security among all current and future users of the NAS.

Carriage of certain programming (sec. 1093)

The Senate amendment contained a provision (sec. 1089A) that would provide that a multichannel video programming distributor may not be directly or indirectly required, including as a condition of obtaining retransmission consent, to: (1) carry non-incidental video content from certain kinds of television stations to the extent that such content is owned, controlled, or financed (in whole or in part) by the Government of the Russian Federation; or (2) lease, or otherwise make available, channel capacity to any person for the provision of video programming that is owned, controlled, or financed (in whole or in part) by the Government of the Russian Federation. The provision would not apply to the editorial use by certain
kinds of television stations of programming that is owned, 
controlled, or financed (in whole or in part) by the Government 
of the Russian Federation.

The House bill contained no similar provision.
The House recedes.

National strategy for countering violent extremism (sec. 1094)

The House bill contained a provision (sec. 1078) that 
would require the President to submit to the appropriate 
committees of Congress a report on a comprehensive, interagency 
national strategy for countering violent extremist groups. One 
year after the submission of the strategy, the President would 
also be required to submit an assessment of the implementation, 
progress, and changes to the strategy.

The Senate amendment contained no similar provision.
The Senate recedes with a clarifying amendment.

Sense of Congress regarding World War I (sec. 1095)

The House bill contained a provision (sec. 1070) that 
would provide a sense of Congress to honor those members of the 
United States Armed Forces who served in the First World War.
The Senate amendment contained no similar provision.
The Senate recedes with a clarifying amendment.

Notice to Congress of terms of Department of Defense settlement 
agreements (sec. 1096)

The House bill contained a provision (sec. 1067) that 
would require the Secretary of Defense, at the request of the 
chairman of a specified committee, to make available to that 
chairman a settlement agreement in a civil action involving the 
Department of Defense, a military department, or a Defense 
Agency, if, in the opinion of the Secretary, in consultation 
with the Attorney General, the terms of such settlement 
agreement affect the congressional authorization or 
appropriations process with respect to the Department of 
Defense.

The Senate amendment contained no similar provision.
The Senate recedes with an amendment that would clarify 
the role of the ranking member of the requesting committee, the 
type of applicable civil action, and the actions the Secretary 
of Defense must take in response to a request for a settlement 
agreement, as well as make other clarifying amendments. The 
amendment would also remove the requirement for the chairman of 
the requesting committee to consult with the Chairman of the
Committee on the Judiciary of the Senate or the House of Representatives before making a request.
The conferees encourage the Chairmen of the Committee on Armed Services and the Committee on Appropriations of the Senate and the House of Representatives, before making a request under this provision, to notify the Chairman of the Committee on the Judiciary in their respective chamber, when appropriate.

Office of Special Counsel reauthorization (sec. 1097)

The Senate amendment contained a provision (sec. 6005) that would reauthorize the U.S. Office of Special Counsel.
The House bill contained no similar provision.
The House recedes with an amendment that would strengthen whistleblower protections and discipline for Hatch Act violations.

Air transportation of civilian Department of Defense personnel to and from Afghanistan (sec. 1098)

The House bill contained a provision (sec. 1081) that would require the Secretary of Defense, within 90 days after the date of the enactment of this Act, to conduct a policy review regarding the use of commercial air transportation or alternative forms of air transportation to transport civilian personnel of the Department of Defense to and from Afghanistan.
The Senate amendment contained no similar provision.
The Senate recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

Calculations for payments into Department of Defense Military Retirement Fund using single level percentage of basic pay determined on Armed Force-wide rather than Armed Forces-wide basis

The Senate amendment contained a provision (sec. 1002) that would amend section 1465 of title 10, United States Code, to change the calculation of the single level percentage applied to basic pay with respect to the required monthly deposits into the Military Retirement Fund by the military services to a single rate for each military service, rather than the single aggregate normal cost method now used, in order to increase budgetary transparency with respect to the relative long-term costs associated with changes in end strength and benefits among the military services. The change in the method of calculation
would be effective for contributions to the Fund beginning in fiscal year 2019.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Comptroller General of the United States to assess the adequacy of the single-level, aggregate, percentage required under current law in calculating contributions to the Military Retirement Fund in meeting the goal of budgetary transparency with respect to changes and proposed changes to force structure and retirement and related benefits, and to consider whether changing such method as proscribed in section 1002 of the Senate-passed bill would increase such transparency with respect to each military service. The Comptroller General shall assess the effect of such a change as proscribed in section 1002 of the Senate bill on each military service, as well as consider whether such a change is feasible and advisable. In conducting this assessment, the Comptroller General shall consider the 2017 report by RAND entitled “Toward Efficient Military Retirement Accrual Charges,” and the conclusions and recommendations contained therein. The Comptroller General shall report to the Committees on Armed Services of the Senate and House of Representatives by no later than April 1, 2018, on the results of this assessment.

Certifications on audit readiness of the Department of Defense and the military departments, Defense Agencies, and other organizations and elements of the Department of Defense

The Senate amendment contained two provisions (sec. 1003 and sec. 6006) relating to certification of the Department of Defense’s financial statements related to audit.

The House bill contained no similar provision.

The Senate recedes.

Information on Department of Defense funding in Department press releases and related public statements on programs, projects, and activities funded by the Department

The Senate amendment contained a provision (sec. 1008) that would require the Department of Defense (DOD) to disclose that DOD funds were used to fund programs, projects, or activities in DOD public press releases, statements, or documents that describe a program or project. The provision would also require DOD to estimate the amount of funding the program or project currently receives, when referenced in a press release or public document.
The House bill contained no similar provision.  
The Senate recedes.

Restrictions on the overhaul and repair of vessels in foreign shipyards

The House bill contained a provision (sec. 1014) that would amend section 7310(b)(1) of title 10, United States Code, to prohibit the Department of the Navy from performing any overhaul, repair, or maintenance work that takes longer than six months in foreign shipyards.
The Senate amendment contained no similar provision.  
The House recedes.

Authority to use video teleconferencing technology in military commission procedures

The House bill contained a provision (sec. 1028) that would authorize the military judge to provide for the participation of the accused, defense counsel, trial counsel, and any other participants by video teleconferencing for any matter for which the military judge may call the military commission into session.
The Senate amendment contained no similar provision.  
The House recedes.

Authority to transfer individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to the United States temporarily for emergency or critical medical treatment

The Senate amendment contained a provision (sec. 1035) that would authorize the temporary transfer of individuals detained at United States Naval Station, Guantanamo Bay, Cuba to the United States for necessary medical treatment that is not available at Guantanamo.
The House bill contained no similar provision.  
The Senate recedes.

National Guard flyovers of public events

The House bill contained a provision (sec. 1037) that would require that National Guard flyovers of public events be flown only as part of an approved training mission and would make the Adjutant General the approval authority for all Air National Guard and Army National Guard flyovers in a state or territory.
The Senate amendment contained no similar provision.
Transfer of funds to World War I Centennial Commission

The House bill contained a provision (sec. 1038) that would authorize the Secretary of Defense to transfer funding to the World War I Centennial Commission to assist the Commission in carrying out activities in support of the World War I Centennial Commission Act.

The Senate amendment contained no similar provision.

Prohibition on use of funds to designate or expand Federal National Heritage Areas

The House bill contained a provision (sec. 1041) that would prohibit the Secretary of Defense from using funds to designate or expand Federal National Heritages Areas.

The Senate amendment contained no similar provision.

Requirement relating to transfer of excess Department of Defense equipment to Federal and State agencies

The House bill contained a provision (sec. 1042) that would amend section 2576(a) of title 10, United States Code, to allow the Department of Defense (DOD) to give first preference in the transfer of certain DOD excess personal property to the Department of Homeland Security and then to Federal and State agencies tasked with strengthening security along the southern border of the United States.

The Senate amendment contained no similar provision.

The conferees note that under the current “1033 program,” the Secretary of Defense may prioritize the transfer of excess property to Federal and State agencies deemed suitable for use in counterdrug, counterterrorism, and border security activities. The conferees acknowledge the importance of all of these missions, including border security, and further note that on April 6, 2017, General Lori Robinson, Commander of U.S. Northern Command, testified before the U.S. Senate Committee on Armed Services that “all the support that we give to Department of Homeland Security on the border is incredibly important.” The conferees support ongoing efforts by DOD, in coordination with the Department of Homeland Security, in accomplishing all of their missions, including securing the borders of the United States. The conferees urge DOD to continue these efforts and to
coordinate with the Secretary of Homeland Security to identify opportunities to provide additional support.

Department of Defense integration of information operations and cyber-enabled information operations

The Senate amendment contained two provisions (sec. 1042 and sec. 11003) relating to Department of Defense integration of information operations and cyber-enabled information operations. The House bill contained no similar provisions. The Senate recedes.

Sense of Congress on the basing of KC-46A aircraft outside the continental United States

The Senate amendment contained a provision (sec. 1047) that would express the sense of Congress that the Secretary of the Air Force should place emphasis on and consider the benefits derived from locations outside the continental United States for the basing of KC-46A aircraft. The House bill contained no similar provision. The Senate recedes. The conferees believe that basing decisions for the KC-46A aircraft should continue to include operational considerations, installation attributes, economic and environmental factors, and military judgement for sites located both inside and outside the continental United States.

Sense of Congress on use of test sites for research and development on countering unmanned aircraft systems

The Senate amendment contained a provision (sec. 1049) that would express the sense of Congress that unmanned aircraft systems deployed by adversaries of the United States pose a significant threat to the Armed Forces and United States interests and that the Armed Forces should, as appropriate and to the extent practicable, seek to leverage test sites designated by the Federal Aviation Administration (FAA) and Department of Defense (DOD) facilities for research and development on capabilities to counter the nefarious use of unmanned aircraft systems. The House bill contained no similar provision. The Senate recedes. The conferees acknowledge the growing threat posed by the nefarious use of unmanned aircraft systems to military installations, critical infrastructure, members of the Armed Forces, and numerous other facilities and assets important to
the United States at home and abroad. The conferees therefore encourage DOD to closely collaborate with the FAA to leverage their unique facilities and capabilities to develop measures that address this threat.

Reports on infrastructure and capabilities of Lajes Field, Portugal

The House bill contained a provision (sec. 1056) that would require reports on the infrastructure and capabilities and the fuel storage system of Lajes Field, Portugal.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the longstanding close political, economic, and strategic ties between the United States and Portugal, and the significant defense cooperation between the two nations. The conferees recognize the continued strategic importance of Lajes Air Base and its contributions to global security. The conferees encourage the Department of Defense to explore additional options to maintain presence at Lajes Air Base in support of national security missions. The conferees also encourage the Department of Defense and the Department of State to continue efforts with Portuguese and Azorean officials, including through the U.S.-Portugal Standing Bilateral Commission, to explore options for cooperation on the Azores regional economic development and to minimize the impacts to the local population from the consolidation of the Air Force’s force structure and operations at Lajes.

Report on project, program, and portfolio management standards

The House bill contained a provision (sec. 1060A) that would require the Comptroller General of the United States to deliver, not later than 90 days after the enactment of this Act, a report to the congressional defense committees on the adoption of project, program, and portfolio management standards within the Department of Defense. This provision would also direct the Comptroller General of the United States to deliver a report to the congressional defense committees on enhancing portfolio management capabilities and structure within the Department of Defense.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Comptroller General of the United States to deliver, not later than 90 days after enactment, a report to Congress on the adoption of project, program, and portfolio management standards within the Department of Defense.
Protection of Second Amendment rights of military families

The House bill contained a provision (sec. 1063) that would amend section 921(b) of title 18, United States Code, to provide that the residence of the spouse of a member of the Armed Forces is the State of the permanent duty station of the member, for purposes of federal firearms laws.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the residence of a spouse of a member of the Armed Forces is the State in which that spouse resides, which is the State of the permanent duty station of the member, or such other State where the spouse may reside.

Recognition of the United States Special Operations Command

The House bill contained a provision (sec. 1069) that would recognize contributions made by the U.S. Special Operations Command.

The Senate amendment contained no similar provision.

The House recedes.

Annual reports on approval of employment or compensation of retired general or flag officers by foreign governments for Emoluments Clause purposes

The Senate amendment contained a provision (sec. 1069) that would amend section 908 of title 37, United States Code, to require the service secretaries to submit to certain congressional committees an annual report on approval of employment or compensation of retired general or flag officers by foreign governments for which the consent of Congress is required by article I, section 9 (the emoluments clause) of the Constitution.

The House bill contained no similar provision.

The Senate recedes.

Findings and sense of Congress regarding the National Guard Youth Challenge Program

The House bill contained a provision (sec. 1071) that would express the sense of Congress that it is critical to allocate the necessary resources to the National Guard Youth Challenge Program of the Department of Defense as it plays a critical role in preparing the next generation of qualified youth for military service.

The Senate amendment contained no similar provision.
The House recedes.

Report on large-scale, joint exercises involving the air and land domains

The Senate amendment contained a provision (sec. 1071) that would direct the Secretary of Defense to submit a report to the congressional defense committees on large-scale, joint exercises involving the air and land domains. The House bill contained no similar provision. The Senate recedes.

The conferees note that both the Chief of Staff of the Army and the Chief of Staff of the Air Force have testified about the importance of training for complex combined arms operations, yet few large-scale, joint Army and Air Force exercises exist to stress interoperability in contested air and land domains. The conferees believe large-scale, joint training exercises that stress interoperability across domains are a vital part of establishing and maintaining military readiness for conflicts involving near-peer competitors.

Therefore, within 180 days of enactment of this Act, the conferees direct the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives on existing large-scale, joint exercises involving the air and land domains; any plans to expand the scale and scope of existing large-scale air and sea domain exercises to include the land domain; and plans to conduct new large-scale, joint exercises in the air and land domains.

In addition, the report shall include an analysis of potential locations for the planned expanded and new exercises included in the report, with priority given to locations that facilitate training with:

(1) sufficient overlapping airspace and ground range capabilities and capacity to meet the training requirements for operating within an anti-access area denial environment for air and ground operations;

(2) the ability to host bilateral and multilateral training exercises with international partners in both the air and land domains;

(3) limited encroachments that adversely impact training or operations;

(4) robust use of the electromagnetic spectrum, including global positioning system, atmospheric, and communications-jamming.

Sense of Congress regarding National Purple Heart Recognition Day
The House bill contained a provision (sec. 1072) that would express the sense of Congress supporting the goals and ideals of National Purple Heart Recognition Day.
   The Senate amendment contained no similar provision. The House recedes.

Business case analysis on establishment of active duty association and additional primary aircraft authorization for the 168th Air Refueling Wing

   The Senate amendment contained a provision (sec. 1073) that would direct the Secretary of the Air Force to conduct a business case analysis on the establishment of an active or classic association with the 168th Air Refueling Wing. The House bill contained no similar provision. The Senate recedes.

Sense of Congress regarding Pacific War Memorial

   The House bill contained a provision (sec. 1075) that would express the sense of Congress that a Pacific War memorial should be established at a suitable location at or near the Pearl Harbor site of the World War II Valor in the Pacific National Monument in Honolulu, Hawaii. The Senate amendment contained no similar provision. The House recedes. The conferees recognize that there is currently no memorial that specifically honors the members of the United States Armed Forces who served in the Pacific Theater of World War II, also known as the Pacific War. The conferees believe that a Pacific War memorial should be established at a suitable location at or near the Pearl Harbor site of the World War II Valor in the Pacific National Monument in Honolulu, Hawaii.

Federal charter for Spirit of America

   The House bill contained a provision (sec. 1080) that would amend title 36, United States Code, to establish a federal charter for Spirit of America. The Senate amendment contained a similar provision (sec. 1083) that would amend title 36, United States Code, to establish a federal charter for Spirit of America. The provisions are not adopted.

Protection against misuse of Naval Special Warfare Command insignia
The Senate amendment contained a provision (sec. 1081) that would add a new section 7882 to title 10, United States Code, to prohibit a person from using any covered Naval Special Warfare insignia in connection with any promotion, good, service, or other commercial activity when a particular use would be likely to suggest a false affiliation, connection, or association with, endorsement by, or approval of, the United States Government, the Department of Defense, or the Department of the Navy, and to authorize the Attorney General to initiate civil proceedings to prevent unauthorized use of such insignia.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives, no later than April 1, 2018, containing the following elements: (1) An analysis of which components of the Department of Defense are in need of statutory protection against misuse of official insignia; (2) An analysis of why current protections in law are not sufficient to protect against misuse of official insignia; (3) A comparison of statutes that currently exist in law for the Department of Defense, ranked by effectiveness; and (4) An identification of specific harms currently caused by the misuse of official insignia and whether a legislative remedy is required to best address those harms.

Reconsideration of claims for disability compensation for veterans who were the subjects of mustard gas or Lewisite experiments during World War II

The Senate amendment contained a provision (sec. 1084) that would require the Secretary of Veterans Affairs, in consultation with the Secretary of Defense, to reconsider all claims for compensation under chapter 11 of title 38, United States Code, that were denied before the date of the enactment of this Act, and to make a disability determination in connection with full-body exposure to mustard gas or Lewisite during active military, naval, or air service during World War II. The provision would require the Secretary of Veterans or the Secretary of Defense to presume that a veteran experienced full-body exposure to mustard gas or Lewisite, unless proven otherwise, when reconsidering a claim.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that Section 502 of the Harry W. Colmery Veterans Educational Assistance Act of 2017 (Public Law 115-48) requires the Secretary of Veterans Affairs to reconsider
all claims for compensation under chapter 11 of title 38, United States Code, that were denied before the date of the enactment of this Act, and to make a disability determination in connection with full-body exposure to mustard gas or Lewisite during active military, naval, or air service during World War II.

Exception to the interdepartmental waiver doctrine for cleanup of vehicle crashes

The Senate amendment contained a provision (sec. 1086) that would authorize the Secretary of Defense to expend funds to clean up vehicle crashes on another Federal department or agency’s property if the crash was the result of a Department of Defense activity.

The House bill contained a similar provision (sec. 2816).

The Senate recedes.

The conferees note that this authority was included in a separate provision that has been included in the conference agreement.

Prevention of certain health care providers from providing non-department health care services to veterans

The Senate amendment contained a provision (sec. 1088) that would require the Secretary of Veterans Affairs (VA), on or after 1 year after the date of the enactment of this Act, to deny or revoke the eligibility of a health care provider to provide non-department health care services to veterans if the Secretary determines that the health care provider: (1) Was removed from employment with the VA due to a violation of department policy relating to the delivery of safe, appropriate health care; (2) Violated the requirements of a medical license of the provider; (3) Had a credential revoked on grounds relating to the provider's ability to deliver safe, appropriate health care; or (4) Violated a law for which imprisonment of more than 1 year may be imposed.

The House bill contained no similar provision.

The Senate recedes.

The conferees note the VA has existing authority to deny or revoke the eligibility of a health care provider to provide non-department health care services to veterans under the conditions described above. Furthermore, the conferees are aware that the Committee on Veterans Affairs of the House of Representatives intends to address this issue as it relates to community care provided to veterans under the Veterans Choice Act.
Comptroller General report on Department of Defense installation access control initiatives

The Senate amendment contained a provision (sec. 5301) that would require the Comptroller General to report on Department of Defense installation access control initiatives.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Comptroller General of the United States to submit to the congressional defense committees a report evaluating Department of Defense installation access control initiatives. The report is due no later than 300 days after the enactment of this Act. The evaluation should include the following elements:

1. An assessment of Department of Defense requirements for managing access to military installations and the extent to which the Department has taken an enterprise-wide approach to developing those requirements and identifying capability gaps.
2. A description of capabilities (processes and systems) that are in place at military installations that currently meet these requirements.
3. A summary of which options, including business process reengineering, the development or acquisition of business systems, and the acquisition of commercial solutions, are being pursued to close those gaps.
4. A description of how the Department of Defense is assessing which options to pursue in terms of cost, schedule, and potential performance and to what extent the Department’s assessments follow directives under the Federal Acquisition Regulation and Defense Supplement to the Federal Acquisition Regulation to consider commercial products and services.

Collaboration between Federal Aviation Administration and Department of Defense on unmanned aircraft systems

The Senate amendment contained a provision (sec. 6002) that would require the Federal Aviation Administration and the Department of Defense to collaborate on developing standards, policies and procedures for sense-and-avoid capabilities for unmanned aircraft systems.

The House bill contained no similar provision.

The Senate recedes.

Report on the circumstances surrounding the 2016 attacks on the U.S.S. Mason
The Senate amendment contained a provision (sec. 6004) that would require the Secretary of Defense to submit to the Committees on Armed Services of the Senate and House of Representatives a report on the circumstances surrounding the 2016 attacks on the USS Mason. The House bill contained no similar provision. The Senate recedes.

Comptroller General review of Department of Defense implementation of open recommendations

The Senate amendment contained a provision (sec. 6010) that would require the Comptroller General to submit a report summarizing an assessment of each open recommendation made to the Department of Defense, Department of State, and the United States Agency for International Development. The House bill contained no similar provision. The Senate recedes.

The conferees direct the Comptroller General of the United States to submit to the Committee on Armed Services of the House of Representatives and the Senate a briefing summarizing an assessment of open recommendations made to the Department of Defense in fiscal years 2014, 2015, 2016, and 2017, which have not been fully implemented. The briefing is due no later than November 30, 2018. The summary briefing should include the following elements for each recommendation:

(1) The initial response of the Department of Defense to each recommendation at the time it was made.
(2) The current status of implementation to include:
   a. The actions taken by the Department of Defense to implement the recommendation
   b. The rationale provided by the Department of Defense for:
       i. disagreeing with the status of the recommendation (in such cases the conferees expect the Comptroller General to include the complete text of the Department’s position as provided by the Department),
       ii. not implementing, or partially implementing, the recommendation.
(3) Any information included in a briefing shall, to the extent practicable, be submitted in unclassified form, but may be set forth in a classified annex.

Report on airports used by Mahan Air
The Senate amendment contained a provision (sec. 6011) that would direct the Secretary of Homeland Security, in consultation with the Secretary of Transportation, the Secretary of State, the Secretary of the Treasury, and the Director of National Intelligence, to submit to Congress a report on airports used by Mahan Air.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Secretary of Homeland Security, in consultation with the Secretary of Transportation, the Secretary of State, the Secretary of the Treasury, and the Director of National Intelligence, to submit to Congress a report on airports used by Mahan Air not later than 120 days after the enactment of this Act. The report shall contain a list of all airports at which aircraft owned or controlled by Mahan Air have landed during the 2 years preceding the submission of the report and for each airport, an assessment of: (1) whether aircraft owned or controlled by Mahan Air continue to conduct operations at that airport; (2) an assessment of whether any of the landings of aircraft owned or controlled by Mahan Air were necessitated by an emergency situation; (3) a determination regarding whether additional security measures should be imposed on flights to the United States that originate from that airport; (4) and an explanation of the rationale for that determination. The report shall be submitted in unclassified form, but may include a classified annex.

Open, Public, Electronic, and Necessary (OPEN) Government Data Act

The Senate amendment contained a provision (sec. 6012) that would amend Chapter 35 of title 44, United States Code, by creating a new subchapter that would establish requirements for the availability of government data, federal agency data inventories, procedures for information resources and data management and dissemination, and a federal data catalog.

The House bill contained no similar provision.

The Senate recedes.

Sense of Congress on use of Intergovernmental Personnel Act Mobility Program and Department of Defense Information Technology Exchange Program to obtain personnel with cyber skills and abilities for the Department of Defense

The Senate amendment contained a provision (sec. 6601) that would express the sense of Congress that: (1) the Department of Defense should fully use the Intergovernmental
Personnel Act Mobility Program (IPAMP) and the Department of Defense Information Technology Exchange Program (ITEP) to obtain cyber personnel across the Government by leveraging cyber capabilities found at the State and local government level and in the private sector in order to meet the needs of the Department for cybersecurity professionals; and (2) the Department should implement at the earliest practicable date a strategy that includes policies and plans to fully use such programs to obtain such personnel for the Department.

The House bill contained no similar provision.
The Senate recedes.

The conferees urge the Department of Defense to develop a strategy and issue policies to employ the IPAMP and ITEP to obtain cyber personnel across the Government by leveraging cyber capabilities found at the State and local government level and in the private sector in order to meet the needs of the Department for cybersecurity professionals.

**TITLE XI—CIVILIAN PERSONNEL MATTERS**

*Direct hire authority for the Department of Defense for personnel to assist in business transformation and management innovation (sec. 1101)*

The Senate amendment contained a provision (sec. 934) that would grant the Secretary of Defense the authority to appoint a small group of individuals to assist the Department in management innovation.

The House bill contained no similar provision.
The House recedes with an amendment that makes technical and conforming changes, limits the number of positions and sets a sunset date of September 30, 2021 for this authority.

*Extension of direct hire authority for Domestic Defense Industrial Base Facilities and Major Range and Test Facilities Base (sec. 1102)*

The House bill contained a provision (sec. 1101) that would extend the temporary direct hiring authority granted in section 1125 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) until September 30, 2021.

The Senate amendment contained a similar provision (sec. 1105) that would extend section 1125(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) through fiscal year 2019.

The Senate recedes with an amendment requiring a briefing by the Secretary of Defense no later than 90 days after the end
of each of fiscal years 2019 and 2021 to the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Oversight and Government Reform of the House of Representatives, and the Committee on Homeland Security and Governmental Affairs of the Senate.

Extension of authority to provide voluntary separation incentive pay for civilian employees of the Department of Defense (sec. 1103)

The House bill contained a provision (sec. 1102) that would extend the authority of the Secretary of Defense provided by the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to pay increased voluntary separation pay for Department of Defense civilian personnel until September 30, 2021.

The Senate amendment contained no similar provision. The Senate recedes with an amendment that would require the Secretary of Defense to brief the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Oversight and Government Reform of the House of Representatives, and the Committee on Homeland Security and Government Affairs of the Senate no later than December 31, 2019 and December 31, 2021, on the use of the extended authority.

Additional Department of Defense science and technology reinvention laboratories (sec. 1104)

The House bill contained a provision (sec. 1103) that would revise and update the list of laboratories designated as Science and Technology Reinvention Laboratories to include the Naval Medical Research Center and the Joint Warfighting Analysis Center.

The Senate amendment contained a similar provision (sec. 218) that would clarify the list of laboratories that are authorized to execute the special hiring, infrastructure recapitalization, technology transfer and industry partnership, research, and other authorities that have been previously authorized by Congress and by the Department of Defense.

The Senate recedes with an amendment that would include the Naval Facilities Engineering and Expeditionary Warfare Center in the list of laboratories designated.

The conferees note that the authorities granted to science and technology reinvention laboratories are intended to be executed by laboratory directors at the local laboratory level, so as to be better used to address local management and bureaucratic challenges and avoid the inefficiency and slowness
of centralized control over organizations whose missions require agility and innovation. The conferees note that the technical directorates of the Air Force Research Laboratory in essence function as decentralized organizations under a larger corporate umbrella, and thus express many of the characteristics of independent laboratories.

The conferees expect that all authorities designed to ease bureaucratic burdens on the laboratories will be delegated to local laboratory directors and used, consistent with congressional intent, to the maximum intent practicable to support research efforts. In particular, the conferees urge the laboratory commander of the Air Force Research Laboratory to delegate all such authorities to directors of the laboratory’s technical directorates. These authorities include all authorities that have been previously authorized by Congress and by the Department of Defense.

One-year extension of authority to waive annual limitation on premium pay and aggregate limitation on pay for Federal civilian employees working overseas (sec. 1105)

The House bill contained a provision (sec. 1104) that would extend the authority provided by the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110-417) to waive the annual limitation on premium pay and the aggregate limitation of pay for federal civilian employees working overseas until September 30, 2019.

The Senate amendment contained a similar provision (sec. 1112).

The Senate recedes.

Direct hire authority for financial management experts in the Department of Defense workforce (sec. 1106)

The Senate amendment contained a provision (sec. 1106) that would extend the financial management hiring authority granted in section 1110 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-38) to several Department of Defense components not included in the military departments or defense agencies.

The House bill contained a similar provision (sec. 1106) that would expand the number of Department of Defense components that may hire financial management experts using direct hire authority.

The House recedes with an amendment that adds a briefing to the Committee on Armed Services of the House of Representatives, the Committee on Armed Services of the Senate,
the Committee on Oversight and Government Reform of the House of Representatives and the Committee on Homeland Security and Governmental Affairs of the Senate in fiscal years 2019 and 2021.

**Extension of authority for temporary personnel flexibilities for Domestic Defense Industrial Base Facilities and Major Range and Test Facilities Base civilian personnel (sec. 1107)**

The House bill contained a provision (sec. 1107) that would amend subsection (a) of section 1132 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to extend authority for temporary civilian personnel flexibilities for domestic defense industrial base facilities and Major Range and Test Facilities through fiscal year 2021. The Senate amendment contained no similar provision.

The Senate recedes with an amendment requiring a briefing by the Secretary of Defense no later than 90 days after the end of each of fiscal years 2019 and 2021 to the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Oversight and Government Reform of the House of Representatives, and the Committee on Homeland Security and Governmental Affairs of the Senate.

**One-year extension of temporary authority to grant allowances, benefits, and gratuities to civilian personnel on official duty in a combat zone (sec. 1108)**

The House bill contained a provision (sec. 1108) that would amend section 1133 of the National Defense Authorization Act of Fiscal Year 2017 (Public Law 114-328) to extend by one year the authority of heads of federal agencies to provide allowances, benefits, and gratuities comparable to those provided to members of the Foreign Service to an agency’s employees on official duty in a combat zone.

The Senate amendment contained an identical provision (sec. 1113).

The conference agreement includes this provision.

**Extension of overtime rate authority for Department of the Navy employees performing work aboard or dockside in support of the nuclear-powered aircraft carrier forward deployed in Japan (sec. 1109)**

The House bill contained a provision (sec. 1109) that would extend by one year the authority of the Secretary of the Navy to pay overtime pay to civilian employees performing work...
in support of the nuclear-powered aircraft carrier forward deployed in Japan.

The Senate amendment contained no similar provision.
The Senate recedes.

Pilot program on enhanced personnel management system for cybersecurity and legal professionals in the Department of Defense (sec. 1110)

The Senate bill contained a provision (sec. 1101) that would require the Secretary of Defense to carry out a pilot program to assess the feasibility and advisability of an enhanced personnel management system for cybersecurity and legal professionals, applicable to new hires in those fields in pay grades GS-15 and below within the Department of Defense, commencing January 1, 2020.
The House bill contained no similar provision.
The House recedes.

Establishment of senior scientific technical managers at Major Range and Test Facility Base Facilities and Defense Test Resource Management Center (sec. 1111)

The Senate amendment contained a provision (sec. 1104) that would amend section 2358a of title 10, United States Code, to explicitly include the test and evaluation centers, defined as each facility of the Major Range and Test Facility Base, and the Defense Test Resource Management Center.
The House bill contained no similar provision.
The House recedes with a technical amendment specifying that each organization may hire at least one senior scientific technical manager, regardless of the number of scientists and engineers employed.
The conferees note that this authority does not yet include the Operational Test Agencies, nor the Developmental Test and Evaluation office, housed within the Office of the Secretary of Defense. The conferees believe there may be merit to including these organizations in the future and direct the Department of Defense to submit to the Congressional defense committees a recommendation on whether these organizations could benefit from the hiring of senior scientific technical managers.

LEGISLATIVE PROVISIONS NOT ADOPTED

Inclusion of Strategic Capabilities Office and Defense Innovation Unit Experimental of the Department of Defense in
personnel management authority to attract experts in science and engineering

The Senate amendment contained a provision (sec. 1102) that would extend certain existing personnel management authorities at the Department of Defense to include the Strategic Capabilities Office and the Defense Innovation Unit Experimental.

The House bill contained no similar provision.

The Senate recedes.

Appointment of retired members of the Armed Forces to positions in or under the Department of Defense

The House bill contained a provision (sec. 1105) that would amend section 3326 of title 5, United States Code, to allow the Secretary of Defense to appoint recently retired members of the Armed Forces in certain circumstances.

The Senate amendment contained no similar provision.

The House recedes.

Authority for waiver of requirement for a baccalaureate degree for positions in the Department of Defense on cybersecurity and computer programming

The Senate amendment contained a provision (sec. 1107) that would require a briefing by the Secretary of Defense to the Committees on Armed Services for the Senate and the House of Representatives, no later than 60 days after the date of the enactment of this Act, on the feasibility and advisability of the enactment into law of a waiver that would allow the Secretary of Defense to waive any requirement in law for the possession of a baccalaureate degree as a condition of appointment to a position with the primary duties of cybersecurity and computer programming.

The Senate recedes.

The House bill contained no similar provision.

Briefing on diversity in the civilian workforce on Air Force installations

The House bill contained a provision (sec. 1110) that would require the Secretary of the Air Force, not later than 120 days after the date of the enactment of this Act, to brief the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Homeland Security and Government Affairs of the Senate, and the Committee on Oversight
and Government Reform of the House of Representatives on efforts to increase diversity in the civilian workforce on each Air Force installation.

The Senate amendment contained no similar provision.
The House recedes.
The conferees direct the Secretary of the Air Force to brief the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Homeland Security and Government Affairs of the Senate, and the Committee on Oversight and Government Reform of the House of Representatives on efforts to increase diversity in the civilian workforce on each Air Force installation.

Elimination of the foreign exemption provision in regard to overtime for Federal civilian employees temporarily assigned to a foreign area

The Senate amendment contained a provision (sec. 1111) that would amend sections 5542 and 5544 of title 5, United States Code, to allow the payment of overtime pay to nonexempt federal civilian employees assigned to temporary duty travel overseas.
The House bill contained no similar provision.
The Senate recedes.

Briefing on plans to develop and improve additive manufacturing capabilities

The Senate amendment contained a provision (sec. 6013) that would require the Secretary of Defense to brief the Committees on Armed Services of the Senate and the House of Representatives on the Department’s plans to develop and improve additive manufacturing, not later than December 1, 2017, to include the Department’s plans to: develop military and quality assurance standards as quickly as possible; leverage current manufacturing institutes to conduct research in the validation of quality standards for additive manufactured parts; and further integrate additive manufacturing capabilities and capacity into the Department’s organic depots, arsenals, and shipyards.
The House bill contained no similar provision.
The Senate recedes.
The conferees are aware of the significant possibilities that additive manufacturing, or 3-D printing, will provide to the Department of Defense, both in revolutionizing the industrial supply chain, as well as in providing radically new technological capabilities. The ability to utilize new materials
in new ways, such as titanium or explosives, or to develop new manufacturing processes, has the potential to transform how the Department does business. The establishment of new Defense Manufacturing Innovation Institutes, as well as the growing prevalence of 3-D printers at tactical levels, indicates the Department sees that potential as well. Additive manufacturing could also greatly improve the organic industrial base’s ability to respond to demands that original equipment manufacturers are unable to meet or to fabricate obsolete parts that are no-longer manufactured.

The conferees understand that an inhibitor to seeing the full potential of this technology will be the need to do quality assurance and validation of additive manufactured parts, especially for those in flight or safety-critical systems. Until the Department can develop the standards and processes for assuring quality, 3-D printing will be limited in its application. Also, substantial opportunities remain across the force to add more capacity for this capability, both to repair out-of-date equipment and to speed repair to meet urgent operational requirements.

Therefore, the conferees direct the Secretary of Defense to provide a briefing to the House Committee on Armed Services and the Senate Committee on Armed Services not later than April 1, 2018, on the Department’s plans to develop and improve additive manufacturing. The briefing shall include the Department’s plans to: develop military and quality assurance standards as quickly as possible; leverage current manufacturing institutes to conduct research in the validation of quality standards for additive manufactured parts; and further integrate additive manufacturing capabilities and capacity into the Department's organic depots, arsenals, and shipyards.

Expansion of SkillBridge initiative to include participation by Federal agencies

The Senate amendment contained a provision (sec. 14003) that would require the Secretary of Defense, in consultation with the Director, Office of Personnel Management (OPM), to make such modifications to the SkillBridge program as necessary to enable Federal agencies to participate in the initiative as employers and trainers, and would require the Director, OPM, to take such actions necessary to ensure the participation of Federal agencies in the SkillBridge program.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that, according to the Department of Defense, since its inception in 2012, the SkillBridge program
has allowed transitioning Service members to participate in employer-driven job skills training, apprenticeships, and internship programs, beginning up to six months before leaving the military. Through such participation in private-sector SkillBridge training, transitioning Service members have received jobs in dozens of industries, ranging from corporate finance, to advanced manufacturing, to information technology, to cyber security. Just as businesses have greatly benefited from the program and the talents that highly trained Service members bring, so too would the other Federal agencies. The expansion of eligible employers and trainers under the program, to include Federal agencies, would prove mutually beneficial for the Federal Government, non-governmental employers, and transitioning service members. To that end, the conferees strongly urge the Secretary, in consultation with the Director, OPM, to take such actions as are necessary to encourage and enable other Federal agencies to participate in the SkillBridge program.

**TITLE XII—MATTERS RELATING TO FOREIGN NATIONS**

**SUBTITLE A—ASSISTANCE AND TRAINING**

*One-year extension of logistical support for coalition forces supporting certain United States military operations (sec. 1201)*

The House bill contained a provision (sec. 1201) that would amend section 1234 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181), as most recently amended by section 1201 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), by authorizing the Secretary of Defense to provide supplies, services, transportation, and other logistical support to coalition forces supporting U.S. operations in the Republic of Iraq and the Islamic Republic of Afghanistan during fiscal year 2018.

The Senate amendment contained no similar provision.

The Senate recedes.

*Support of special operations for irregular warfare (sec. 1202)*

The Senate amendment contained a provision (sec. 1201) that would authorize the Secretary of Defense, with the concurrence of the relevant Chief of Mission, to expend up to
$10.0 million annually through fiscal year 2021 to provide support to foreign forces, irregular forces, groups, or individuals engaged in supporting or facilitating ongoing irregular warfare operations by U.S. Special Operations Forces (SOF).

The House bill contained no similar provision.

The House recedes with an amendment that strengthens congressional oversight, requires additional legal reviews and determinations, and clarifies notification and reporting mechanisms.

The conferees note the importance of this authority to address strategic irregular warfare challenges identified by combatant commanders. The conferees emphasize that this authority shall only be used to facilitate ongoing and authorized operations by United States Special Operations Forces. Elsewhere in this report, the conferees outline additional guidance regarding the prudent use of this authority, and the importance of continued dialogue between the Department of Defense and the congressional defense committees as procedures are developed and initiatives are considered.

Lastly, the conferees note the limitation on the use of this authority until the delivery of the related unconventional warfare strategy required by section 1097 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92). The required strategy should holistically discuss long-term Department of Defense capability requirements and their integration with other interagency capabilities, along with those of our partners and allies, to counter unconventional and irregular warfare threats.

Obligation of funds in Special Defense Acquisition Fund for precision guided munitions (sec. 1203)

The Senate amendment contained a provision (sec. 1281) that would amend section 114 of title 10, United States Code. The provision would change current requirements that of the amount available in the Special Defense Acquisition Fund (SDAF), $500.0 million may only be used to procure and stock precision guided munitions. Instead, the provision would require that 20 percent of available obligation authority in the SDAF be used on precision guided munitions and associated support equipment and services.

The House bill contained a provision (sec. 1202) that would clarify the use of funds for the procurement of precision guided munitions with the SDAF. The provision would reduce the size of SDAF to $2.0 billion and allow the size of SDAF to
Exceed such limit by $500.0 million if used to procure and stock precision guided munitions.

The House recedes with an amendment that would require 20 percent of annual obligations, instead of obligation authority, be spent on precision guided munitions. Furthermore, this requirement would be in effect through fiscal year 2022.

Modification of defense institution capacity building and authority to build capacity of foreign security forces (sec. 1204)

The House bill contained provisions (sec. 1203 and 1204) that would modify sections 332 and 333 of title 10, United States Code, related to the authority to build partner capacity. The provisions would authorize the Secretary of Defense to assign military personnel as advisors or trainers under the Ministry of Defense Advisor program and modify the required elements associated with the authority to build partner capacity by allowing human rights training conducted by the Department of State to satisfy the human rights training requirement.

The Senate amendment contained a similar provision (sec. 1203) that would clarify the programs sufficient to satisfy the requirement for institutional capacity building pursuant to section 333(c)(4) of title 10, United States Code. The provision would also modify the Ministry of Defense Advisor program under section 332 of title 10, United States Code.

The Senate recedes with a clarifying amendment.

Extension and modification of authority on training for Eastern European national security forces in the course of multilateral exercises (sec. 1205)

The Senate amendment contained a provision (sec. 6209) that would extend through calendar year 2020 the authority under section 1251 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) for the Secretary of Defense, with the concurrence of the Secretary of State, to provide multilateral or regional training, and pay the incremental expenses of participating in such training, for countries in Eastern Europe that are a signatory to the Partnership for Peace Framework Documents but not a member of the North Atlantic Treaty Organization (NATO) or became a NATO member after January 1, 1999. The provision would also amend section 1251 to allow the participation of non-military security forces in such training, and would make other technical and clarifying amendments.

The House bill contained a similar provision (sec. 1205).
The House recedes with an amendment that would require the Secretary of Defense to prescribe regulations for payment of incremental expenses under the authority, including procedures to: (1) require reimbursement of incremental expenses from non-developing countries, and (2) provide a waiver of the requirement of reimbursement of incremental expenses under special circumstances as determined by the Secretary of Defense. The amendment would also clarify that the authority to provide training for national security forces shall not be construed to include authority for the training of irregular forces, groups, or individuals.

Global Security Contingency Fund (sec. 1206)

The Senate amendment contained a provision (sec. 1204) that would modify and extend for two years section 1207 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112-81).

The House bill contained no similar provision.

The House recedes with an amendment that would extend the authority for two years.

Defense Institute of International Legal Studies (sec. 1207)

The Senate amendment contained a provision (sec. 1205) that would authorize the Secretary of Defense to operate the Defense Institute of International Legal Studies and would require the Secretary to conduct a comprehensive review of the mission, workforce, funding, and other support of the Institute.

The Senate amendment also contained a provision (sec. 6202) that would require the Comptroller General of the United States to submit to the appropriate committees of Congress a report that addresses the following: (1) a description of the mechanisms and authorities used by the Department of Defense and the Department of State to conduct training of foreign security forces on human rights and international humanitarian law; (2) a description of the funding used for that training; and (3) a description and assessment of the methodology used by each of the Department of Defense and the Department of State to assess the effectiveness of such training. The report shall be submitted no later than May 1, 2018.

The House bill contains no similar provisions.

The House recedes with a clarifying amendment.

Extension of participation in and support of the Inter-American Defense College (sec. 1208)
The House bill contained a provision (sec. 1206) that would extend for one year the authority in section 1243(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) with respect to participation in and support for the Inter-American Defense College. The Senate amendment contained no similar provision. The Senate recedes with an amendment extending participation in and support of the Inter-American Defense College through fiscal year 2019.

Plan on improvement of ability of national security forces of foreign countries participating in United States capacity building programs to protect civilians (sec. 1209)

The Senate amendment contained a provision (sec. 11203) that would require the Secretary of Defense and the Secretary of State to jointly submit to the appropriate committees of Congress a report setting forth a plan, to be implemented as part of each institutional capacity building program required by section 333(c)(4) of title 10, United States Code, to improve the ability of foreign governments to protect civilians, not later than 90 days after the date of the enactment of this Act. The House bill contained no similar provision. The House recedes with an amendment that would modify the required elements of the report.

The conferees expect the Department to continue its efforts to emphasize strengthening the defense institutions of friendly foreign nations as a key component of its security cooperation programs. The conferees believe that the basic tenets of protection of civilians and transparency should be incorporated as appropriate to its institutional capacity building efforts.

**SUBTITLE B—MATTERS RELATING TO AFGHANISTAN AND PAKISTAN**

Extension of authority to transfer defense articles and provide defense services to the military and security forces of Afghanistan (sec. 1211)

The House bill contained a provision (sec. 1211) that would extend through December 31, 2018 the authority under section 1222 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112-238), as most recently amended by section 1213 of the National Defense Authorization Act for Fiscal Year 2017 (114-328), to transfer defense articles being
drawn down in Afghanistan and to provide defense services in connection with such transfers to the military and security forces of Afghanistan. The provision would also extend though fiscal year 2018 the exemption for excess defense articles (EDA) transferred from Department of Defense stocks in Afghanistan from counting toward the annual limitation on the aggregate value of EDA transferred under section 516 of the Foreign Assistance Act of 1961 (Public Law 87-195).

The Senate amendment contained a similar provision (sec. 1212).

The Senate recedes.

Extension and modification of authority for reimbursement of certain coalition nations for support provided to United States military operations (sec. 1212)

The House bill contained a provision (sec. 1213) that would amend section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181), to extend the authority for reimbursement of coalition nations for support provided to the United States for military operations in Iraq, Syria, and Afghanistan through December 31, 2018. This provision would also extend, through December 31, 2018, the requirement for the Secretary of Defense to notify the appropriate congressional committees prior to making any reimbursement to the Government of Pakistan for any logistical, military, or other support that Pakistan provides to the United States. Further, this section would extend the requirement for the Secretary of Defense to certify, prior to making any reimbursement to Pakistan, that Pakistan is maintaining security along the Ground Lines of Communication through Pakistan, taking demonstrable steps to support counterterrorism operations, disrupting cross border attacks, and countering the threat of improvised explosive devices. This provision would specify that, of the total amount of reimbursement and support authorized for Pakistan during the period beginning on October 1, 2017, and ending on December 31, 2018, $400.0 million would not be eligible for a national security waiver unless the Secretary of Defense certifies that Pakistan has undertaken specified actions against the Haqqani Network.

The Senate amendment contained a similar provision (sec. 1213) that would extend for fiscal year 2018 the authority to make Coalition Support Funds (CSF) payments under section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181). The provision would limit the total amount of funds that may be provided in fiscal year 2018 to $900.0 million. Of this total, the amount that could be provided to
Pakistan would be limited to $700.0 million. The provision would also extend for one year certain notifications and certification requirements relating to payments to Pakistan. The provision would make $350.0 million of this amount contingent upon certification from the Secretary of Defense that Pakistan is taking demonstrable steps against the Haqqani Network and Lashkar-e-Tayyiba in Pakistan.

The House recedes with an amendment that would extend the CSF authority through December 31, 2018 and remove Lashkar-e-Tayyiba from those certification requirements not eligible for a national security waiver.

The conferees note that action on the part of the Government of Pakistan against Lashkar-e-Tayyiba, as well as other terrorist groups operating within the borders of Pakistan, remains a priority for the United States. The conferees urge the Department of Defense to closely monitor U.S. security assistance to Pakistan, to ensure that Pakistan is not using such assistance to support terrorist groups, and to take appropriate measures to demonstrate to the Pakistani military the consequences of continuing to support such terrorist organizations.

The conferees remain concerned about the persecution of groups seeking political or religious freedom in Pakistan, including the Balochi, Sindhi, and Hazara ethnic groups, as well as religious groups, including Christian, Hindu, and Ahmadiyya Muslim. Consequently, the conferees believe that the Secretary of Defense should ensure that Pakistan is not using any assistance provided by the United States to persecute minority groups.

In addition, the conferees note that the authority allows for reimbursement of Pakistan for security activities along the Afghanistan-Pakistan border, including providing training and equipment for the Pakistan Frontier Corps Khyber Pakhtunkhwa. However, the conferees are concerned that Pakistan continues to delay or deny visas for U.S. personnel that could assist with the provision of such training. Given this situation, the conferees recommend that the Department of Defense condition reimbursements for training and equipment with appropriate access by U.S. personnel.

Special immigrant visas for Afghan allies (sec. 1213)

The Senate amendment contained a provision (sec. 1217) that would amend the Afghan Allies Protection Act of 2009 (8 U.S.C. 1101 note) to authorize an additional 4,000 special immigrant visas for Afghan allies.

The House bill contained no similar provision.
The House recedes with an amendment that would authorize an additional 3,500 special immigrant visas for Afghan allies.

Extension of authority to acquire products and services produced in countries along a major route of supply to Afghanistan (sec. 1214)

The Senate amendment contained a provision (sec. 1214) that would extend through December 31, 2019 the authority in section 801(f) of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111-84), as most recently amended by section 1212 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), to acquire products and services produced in countries along a major route of supply to Afghanistan.

The House bill contained no similar provision.
The House recedes.

Extension of semiannual report on enhancing security and stability in Afghanistan (sec. 1215)

The Senate amendment contained a provision (sec. 1215) that would extend through December 15, 2020 the semiannual reporting requirement on enhancing security and stability in Afghanistan.

The House bill contained no similar provision.
The House recedes.

Human rights vetting of Afghan National Defense and Security Forces (sec. 1216)

The Senate amendment contained a provision (sec. 6203) that would authorize the Secretary of Defense to establish one or more permanent positions to oversee and support, in coordination with the Department of State, the implementation of section 362 of title 10, United States Code, with respect to the Afghan National Defense and Security Forces.

The House bill contained no similar provision.
The House recedes.

SUBTITLE C—MATTERS RELATING TO SYRIA, IRAQ, AND IRAN

Report on United States strategy in Syria (sec. 1221)
The House bill contained a provision (sec. 1221) requiring the Secretary of Defense, in coordination with the Secretary of State, to submit a report not later than February 1, 2018 on the strategy of the United States in Syria to appropriate congressional committees.

The Senate bill contained no similar provision.

The Senate recedes with an amendment that would require the President to submit the report and provide additional descriptions of the impact of the humanitarian situation in Syria on United States objectives, the roles and responsibilities of U.S. allies and partners in establishing regional stability, and the military conditions that must be met for the Islamic State of Iraq and Syria to be defeated.

The conferees note that stability in Syria is interdependent with stability in Iraq and they urge the President to consider the relationships between Syria and Iraq when submitting the Syria strategy.

Extension and modification of authority to provide assistance to counter the Islamic State of Iraq and Syria (sec. 1222)

The House bill contained a provision (sec. 1222) that would extend section 1236 of the National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291), as most recently amended by section 1222 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), by authorizing the Secretary of Defense, in coordination with the Secretary of State, to provide $1.3 billion in assistance in fiscal year 2018 to the military and other security forces of, or associated with, the Government of the Republic of Iraq, through December 31, 2019.

The Senate amendment contained a similar provision (sec. 1231) that would modify the authority under section 1236 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) to provide for infrastructure repair and renovation and small-scale construction of temporary facilities necessary to meet urgent operational or force protection requirements with a cost of less than $4 million in Iraq. The Senate amendment also changed the title of the fund to correspond with Department of Defense guidance on using “Islamic State of Iraq and Syria” instead of “Islamic State of Iraq and the Levant.”

The Senate recedes with an amendment that would combine the House and Senate provisions and make other clarifying changes.

The conferees acknowledge that the Islamic State of Iraq and Syria (ISIS) continues to pose a threat to the people,
government, and territorial integrity of Iraq, including the Iraqi Sunni, Shia, and Kurdish communities and religious and ethnic minorities in Iraq, and to the security and stability of the Middle East and beyond. The conferees also recognize that the defeat of ISIS is critical to maintaining an Iraq in which all faiths, sects, and ethnicities are afforded equal protection and full integration into society. The conferees urge the United States, in coordination with coalition partners, to continue necessary support to the security forces that have a national security mission in their fight against ISIS. The conferees remind the Secretaries that local security forces with a national security mission may include, in addition to Kurdish, Shia, and Sunni tribal elements, local security forces that are committed to protecting highly vulnerable ethnic and religious communities, such as Yazidi, Christian, Assyrian, and Turkoman communities, against the ISIS threat.

The conferees are alarmed by reports of clashes among security force elements over control of contested areas in Iraq and especially alarmed by reports of engagements between Kurdish Peshmerga forces and Iranian-backed paramilitary forces. The conferees emphasize the significant contributions Kurdish security forces have made to countering ISIS and condemn Iranian interference in Iraqi affairs. The conferees urge all parties to defuse tensions, refrain from further violence, and work peaceably to establish an equitable dispute resolution process that contributes to regional stability and the defeat of ISIS.

Modification of authority to provide assistance to the vetted Syrian opposition (sec. 1223)

The House bill contained a provision (sec. 1230) that would prohibit the authorization of funds to be appropriated for fiscal year 2018 for the Counter-Islamic State of Iraq and Syria Train and Equip Fund to provide assistance to any recipient of such funds that the Secretary of Defense has reported, pursuant to a quarterly progress report required by section 1209 of the National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291), as having previously misused training or equipment provided by the United States.

The Senate amendment contained a provision (sec. 1232) that would amend section 1209 of the National Defense Authorization Act of 2015 (Public Law 113–291) by striking the prior approval reprogramming requirement associated with the authority and replace it with a notification requirement before carrying out new initiatives. Additionally, the provision would modify the authority to provide for infrastructure repair and renovation and small-scale construction of temporary facilities
necessary to meet urgent operational or force protection requirements with a cost of less than $4 million in Syria.

The House recedes with an amendment that would preserve the reprogramming requirement and require additional information to accompany reprogramming requests describing any material misuse of assistance provided by the United States under section 1209.

The conferees support the Department of Defense’s request for a small-scale construction authority with the objective of bolstering the force protection and operational flexibility of vetted Syrian partner forces and coalition advisers. The conferees emphasize this authority is not intended for the construction or reconstruction of infrastructure or other permanent facilities.

Extension and modification of authority to support operations and activities of the Office of Security Cooperation in Iraq (sec. 1224)

The House bill contained a provision (sec. 1233) that would amend section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112-81), as most recently amended by section 1223 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), by extending the authority for the Office of Security Cooperation in Iraq (OSC-I) for one year through fiscal year 2018.

The Senate amendment contained a similar provision (sec. 1233) that would: extend the authority for OSC-I for one year; clarify that OSC-I’s mandate pertains to defense institution building, strategic planning and reform, professionalization, and other such activities with forces of or associated with Government of Iraq with a national security mission; and limit the obligation or expenditure of more than 50 percent of funds available for fiscal year 2018 pending the delivery of the transition plan required by the statement of managers accompanying the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The House recedes with a clarifying amendment.

Modification and additional elements in annual report on the military power of Iran (sec. 1225)

The Senate amendment contained a provision (sec. 1234) that would amend section 1245 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111-84) to require additional information on Iran's use of civilian transportation infrastructure and assets to support its military
as well as its cooperation with other nations pertaining to nuclear, ballistic missile, chemical, biological, and advanced conventional weapons, and other identified technologies.

The House bill contained no similar provision.

The House recedes with a clarifying amendment.

**Extension of quarterly reports on confirmed ballistic missile launches from Iran and imposition of sanctions in connection with those launches (sec. 1226)**

The House bill contained a provision (sec. 1226) that would amend section 1226 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) by extending quarterly reporting of confirmed ballistic missile launches from Iran through December 31, 2022.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

**Limitation on use of funds for provision of man-portable air defense systems to the vetted Syrian opposition (sec. 1227)**

The House bill contained a provision (sec. 1039) that would prohibit the use of funds authorized to be appropriated or otherwise made available for the Department of Defense for fiscal year 2018 to be obligated or expended to transfer or facilitate the transfer of man-portable air defense systems (MANPADs) to any entity in Syria until the Secretary of Defense and Secretary of State jointly notify the congressional defense committees, the Senate Foreign Relations Committee, and the House Foreign Affairs Committee should a determination be made to provide MANPADs to elements of the appropriately vetted Syrian opposition. The provision also contains a prohibition on the use of funds authorized to be appropriated or otherwise be made available for the Department of Defense for fiscal year 2018 to be obligated or expended to procure or transfer MANPADs.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the second prohibition on the use of funds authorized to be appropriated or otherwise made available for the Department of Defense for fiscal year 2018 to be obligated or expended.

**Report on potential agreement with the Government of the Russian Federation on the status of Syria (sec. 1228)**

The House bill contained a provision (sec. 1058) that would require the President to submit to Congress a report that describes any understanding reached between the President and
the Government of the Russian Federation regarding the status of Syria.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require a report to be submitted no later than five days after any agreement is reached with Russia regarding a political settlement or long-term territorial control in Syria.

Given the importance of Syria’s stability to United States interests in the Middle East, the conferees expect the Secretary of State and the Secretary of Defense to keep Congress current and fully informed of any discussions or negotiations with Russia pertaining to any potential agreement regarding a political settlement or long-term territorial control in Syria.

**SUBTITLE D—MATTERS RELATING TO THE RUSSIAN FEDERATION**

*Extension of limitation on military cooperation between the United States and the Russian Federation (sec. 1231)*

The House bill contained a provision (sec. 1231) that would prohibit funds authorized to be appropriated or otherwise made available by this Act for fiscal year 2018 from being used for bilateral military-to-military cooperation between the United States and the Russian Federation without certain certifications by the Secretary of Defense, in consultation with the Secretary of State, or unless certain waiver conditions are met.

The Senate amendment contained a similar provision (sec. 1241).

The House recedes.

*Prohibition on availability of funds relating to sovereignty of the Russian Federation over Crimea (sec. 1232)*

The House bill contained a provision (sec. 1232) that would prohibit funds authorized to be appropriated or made available by this Act through fiscal year 2018 for the Department of Defense to implement any activity that recognizes the sovereignty of the Russian Federation over Crimea. The provision included a waiver if the Secretary of Defense, with the concurrence of the Secretary of State, determines that to do so would be in the national security interest of the United States and submits a notification of the waiver to certain Congressional committees.
The Senate amendment contained a similar provision (sec. 1242).

The Senate recedes.

Sense of Congress on European security (sec. 1233)

The House bill contained a provision (sec. 1233) that would state that it is the policy of the United States to sustain credible deterrence against aggression by the Government of the Russian Federation in order to enhance regional and global security and stability. The section would also include a series of findings highlighting continued aggression and intimidation by the Russian Federation against U.S. allies and partners in Europe.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would express the sense of the Congress that: (1) the United States should support a Europe whole, free, and at peace and the sovereign right of all European states to pursue integration into the Euro-Atlantic community through institutions as the North Atlantic Treaty Organization (NATO) and the European Union; (2) the United States should develop and implement a policy and strategy backed by all elements of United States power to deter and, if necessary, defeat Russian aggression, which will require enhancing United States military capability and capacity in Europe and strengthening United States capability and capacity to counter malign Russian influence; (3) investments that support the security and stability of Europe, including the European Deterrence Initiative, should be included in the President’s base budget request for the Department of Defense; (4) the United States should maintain an ironclad commitment to its obligations under Article 5 of the North Atlantic Treaty; (5) it is important that all NATO allies fulfill their commitments to levels and composition of defense expenditures as agreed upon at the NATO 2014 Wales Summit and NATO 2016 Warsaw Summit; (6) NATO allies should continue to coordinate defense investments; (7) it is essential that all NATO allies uphold their obligations under the North Atlantic Treaty to “safeguard the freedom, common heritage and civilization of their peoples, founded on the principles of democracy, individual liberty and the rule of law.”

Modification and extension of Ukraine Security Assistance Initiative (sec. 1234)

The Senate amendment contained a provision (sec. 6208) that would extend through December 31, 2020, the authority under
section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), as amended by section 1237 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), for the Secretary of Defense, in coordination with the Secretary of State, to provide security assistance, including defensive lethal assistance, and intelligence support to military and other security forces of the Government of Ukraine. The provision would authorize the use of up to $500.0 million in fiscal year 2018 to provide security assistance to Ukraine.

The House bill contained a similar provision (sec. 1234).

The House recedes with an amendment that would provide additional categories of appropriate security assistance and intelligence support under the Ukraine Security Assistance Initiative, including treatment of wounded Ukrainian soldiers in U.S. medical treatment facilities through the Secretarial Designee Program, air defense and coastal defense radars, naval mine and counter-mine capabilities, and littoral-zone and coastal defense vessels. The amendment would authorize the use of up to $350.0 million in fiscal year 2018 to provide security assistance to Ukraine. The amendment would also prohibit the obligation or expenditure of 50 percent of the funds available for fiscal year 2018 under this authority until the Secretary of Defense, in coordination with the Secretary of State, provides a certification concerning Ukraine’s progress on defense institutional reforms.

Limitation on availability of funds relating to implementation of the Open Skies Treaty (sec. 1235)

The House bill contained a provision (sec. 1235) that would prohibit the obligation or expenditure of funds authorized to be appropriated for the Department of Defense for any fiscal year after fiscal year 2017 to conduct a flight for the purposes of implementing the Open Skies Treaty until the President submitted to Congress a plan containing the objectives for all flights in that year. The provision would also prohibit the obligation or expenditure of any funds for fiscal year 2018 for research, development, test, and evaluation, Air Force, for arms control implementation (PE 0305145F) and procurement, Air Force, for digital visual imaging system (BA-05, Line Item #1900) to modify U.S. aircraft for the purposes of implementing the Open Skies Treaty.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would change the prohibition on expenditure for aircraft modernization to a fence on funding pending two certifications: a certification
containing a determination by the Secretary of Defense, without delegation, that the modification of the digital visual imaging systems for the OC-135B Open Skies aircraft will provide superior digital imagery as compared to commercially-available digital imagery; and a certification by the President that he has imposed both treaty violation responses and legal countermeasures on the Russian Federation in response to its treaty violations and fully informed the appropriate congressional committees of such actions.

**Sense of Congress on importance of nuclear capabilities of NATO (sec. 1236)**

The House bill contained a provision (sec. 1236) that would make a series of findings and express the sense of Congress regarding the North Atlantic Treaty Organization’s nuclear deterrence capability.

The Senate amendment contained no similar provision.

The Senate recedes.

**Report on Security Cooperation with respect to Western Balkan countries (sec. 1237)**

The House bill contained a provision (sec. 1239) that would require the Secretary of Defense, in consultation with the Secretary of State, to submit to the congressional defense committees and others a report on the defense and security relationship between Serbia and the Russian Federation.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense, with the concurrence of the Secretary of State, to submit to the congressional defense committees and others, a report on security cooperation with respect to Western Balkan countries, including Serbia, Bosnia and Herzegovina, Kosovo, and Macedonia. The amendment would require that the report include assessments of security cooperation between each of the specified countries and the Russian Federation, the United States, and the North Atlantic Treaty Organization (NATO), among other elements.

The conferees remain concerned over Russia’s intensifying effort to assert its malign influence in the Western Balkans. The conferees condemn Russia’s involvement in the attempted coup against the government of Montenegro, and believe the United States should maintain a policy of support for the sovereign right of the countries of the Western Balkans to pursue integration into the Euro-Atlantic community through institutions including NATO and the European Union.
Plan to respond in case of Russian noncompliance with the New START Treaty (sec. 1238)

The House bill contained a provision (sec. 1240) that would require the President to submit a report to Congress including options in response to a possible failure by the Russian Federation to comply with the New START Treaty by the deadline of February 5, 2018, as well as an assessment of whether such a failure would constitute material breach of the treaty.

The Senate amendment contained no similar provision.

The Senate recedes.

Strategy to counter threats by the Russian Federation (sec. 1239)

The House bill contained a provision (sec. 1253) that would require the Secretary of Defense, in coordination with the Secretary of State and in consultation with each of the secretaries of the military departments, the Joint Chiefs of Staff, and the commanders of each of the regional and functional combatant commands, to develop and implement a comprehensive strategy to counter threats by the Russian Federation. The provision would also require a report on the strategy with specified elements not later than 180 days after the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would add to the specified elements of the required report plans to increase conventional precision strike weapon stockpiles in the United States European Command’s area of responsibility and to counter the military capabilities of the Russian Federation.

The conferees note that the Russian Federation’s aggressive actions threaten our national security, democratic values, and the cohesion of our alliances. These challenges require a comprehensive strategy backed by all elements of United States power to deter, and, if necessary defeat Russian aggression and to counter malign Russian influence. Such a strategy must be based on a clear understanding of the Russian Federation’s strategic objectives and the ongoing threats its aggressive actions present.

Strategy to counter the threat of malign influence by the Russian Federation (sec. 1239A)

The House bill contained a provision (sec. 1256) that would require the Secretary of Defense and the Secretary of
State to develop jointly a plan to enhance cyber planning and information operations and strategic communications strategies to counter Russian information warfare, malign influence, and propaganda activities. The plan would also identify areas of potential cybersecurity collaboration with NATO and other European allies and partners.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense and the Secretary of State, in coordination with the appropriate United States Government officials, to develop jointly a comprehensive strategy to counter the threat of malign influence by the Russian Federation. The strategy would include actions to counter hybrid warfare operations; to deter, and respond when necessary, to malicious Russian cyber activities; to identify and defend against malign Russian influence threats; and to promote core U.S. values and principles, strengthen democracy among European allies and partners, and further integration into multilateral organizations including the North Atlantic Treaty Organization and the European Union. The Secretary of Defense and Secretary of State would jointly submit to the appropriate committees of Congress a report detailing the required strategy.

The conferees note that Russian malign influence activities pose a fundamental threat to security and democracy in the United States, Europe, and elsewhere. Russian aggression urgently demands an integrated whole-of-government approach, undertaken in close collaboration with U.S. allies and partners. The conferees believe it is vital to understand the extent of Russian interference in our fundamental institutions and to develop a strategy to counter that threat. The conferees urge action without delay to formulate a comprehensive strategy that ensures the United States can detect, deter, and counter this fundamental threat to democratic institutions and the international global order.

**SUBTITLE E—INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY PRESERVATION ACT OF 2017**

*INF Treaty Preservation Act of 2017 (secs. 1241-1242, 1246)*

The Senate amendment contained no similar provisions.
The Senate recedes.

Compliance enforcement regarding Russian violations of the INF Treaty (sec. 1243)

The House bill contained a provision (sec. 1243) that would make a statement of U.S. policy regarding the Russian Federation’s non-compliance with the Intermediate-Range Nuclear Forces (INF) Treaty, including that the Russian Federation’s actions constitute a material breach of the treaty and that, in light of such material breach, the United States is legally entitled to suspend the operation of the INF Treaty in whole or in part. It would also state that, for so long as the Russian Federation remains in violation of the treaty, the United States should take actions to encourage a return to compliance, including providing additional funds for capabilities identified in section 1243(d) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92). The provision would also authorize to be appropriated $50.0 million, Research, Development, Test, and Evaluation (RDT&E), Defense-wide, for research and development of military response options for the Russian Federation’s INF Treaty violation, including those capabilities identified in section 1243(d) of Public Law 114-92. Of that, the provision would authorize $25.0 million for the research and development activities described in the following section.

The House bill also contained a provision (sec. 1244) that would require the Secretary of Defense to establish a program of record to develop a conventional road-mobile ground-launched cruise missile system with a range of between 500 and 5,500 kilometers. The provision would also require the Secretary of Defense to submit to the relevant committees a report on the cost, schedule, and feasibility of modifying existing and planned missile systems for ground launch and intermediate range.

The Senate amendment contained a similar provision (sec. 1635) that would establish a research and development program for a dual-capable road-mobile ground-launched missile system with a maximum range of 5,500 kilometers, in order to close the capability gap opened by the Russian Federation’s violation of the INF Treaty. The Senate amendment would also authorize to be appropriated $65.0 million, RDT&E, Defense-wide, for such program. Finally, the provision would limit the obligation or expenditure of these funds until the Secretary of Defense submits to the congressional defense committees a report on the cost, schedule, and feasibility of modifying existing and
planned missile systems for ground launch and intermediate range.

The Senate recedes with several amendments that would strike the statement of policy and would express the sense of Congress that the Russian Federation’s violation of the INF Treaty constitutes material breach. The amendments would also authorize to be appropriated $58.0 million for RDT&E, Defense-wide, for capabilities identified in section 1243(d) of Public Law 114-92 as well as a program of record to develop a conventional road-mobile ground-launched cruise missile system with a range of between 500 and 5,500 kilometers. Finally, the agreement would require the same report by the Secretary of Defense but would remove the limitation on funds contained in the Senate amendment.

The conferees note that the INF Treaty prohibits testing and deployment of ground-launched intermediate-range missile systems, but it does not prohibit research and development. The conferees do not intend for the United States to enter into a violation of the INF Treaty so long as the treaty remains in force, and nothing in this provision should be construed to force the United States into a violation of the treaty.

Notification requirement related to Russian Federation development of noncompliant systems and United States actions regarding material breach of INF Treaty by the Russian Federation (sec. 1244)

The House bill contained a provision (sec. 1245) that would make a declaration of policy regarding the Russian Federation’s violation of the Intermediate-Range Nuclear Forces (INF) Treaty and require the Director of National Intelligence to notify the appropriate congressional committees of any development, deployment, or test of a system by the Russian Federation that is inconsistent with the INF Treaty. The provision would also require the President to submit to the appropriate congressional committees 15 months after the date of enactment of this Act a report that contains a determination of whether the Russian Federation has engaged in any such activity during the year following the date of enactment. If the President so determines, the provision would provide that the prohibitions set forth in the INF Treaty would no longer be binding on the United States as a matter of U.S. law.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would strike the declaration of policy and the Presidential reporting requirement. The amendment would also withhold $50.0 million in funds made available to the Department of Defense for operation
and maintenance, Defense-wide, for fiscal year 2018 to carry out special mission area activities of the Defense Information Systems Agency and until the President submits to the appropriate congressional committees two reports: first, a certification that each requirement of section 1290 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) has been and continues to be fully implemented and the President has notified the appropriate congressional committees of the measures imposed pursuant to section 1290; and second, a report containing a proposal for additional measures to be implemented with respect to individuals in the Russian Federation that the President determines to play a significant role in facilitating or ordering the violation of the INF Treaty, and those who are senior political figures of the Russian Federation. The conferees note that this provision would not direct the implementation of these additional sanctions.

The conferees note that section 1290 required the Secretary of the Treasury to submit to Congress a report identifying individuals who are citizens of countries that are not in full compliance with obligations of arms control, nonproliferation, and disarmament agreements to which the United States is a party and who have contributed to such non-compliance. That section further required the President to impose certain measures on each person identified in this report. The conferees note that the Secretary of the Treasury has not submitted this report and the President has not imposed these measures on individuals that have contributed to violations of arms control, nonproliferation, and disarmament agreements pursuant to section 1290.

The conferees also note that section 1231 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) withheld $10.0 million of funding for the Department of Defense to provide support services to the Executive Office of the President until the Secretary of Defense submitted a plan for the development of military capabilities in response to the Russian Federation’s violation of the INF Treaty, as required by section 1243(d) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92). The conferees reiterate that the plan contained in the report previously submitted to Congress, pursuant to section 1243(d), was insufficient, and the conferees do not believe that the requirements in either Public Law have been satisfied.

The conferees further note that the Department of Defense was unable to provide timely information on the status of such funds, leading the conferees to believe that such funds were not withheld. The Department was also unable to provide a full
accounting of funding to provide support services to the Executive Office of the President.

Therefore, the conferees direct that, as part of the submission of the President’s budget request for fiscal year 2019, the Under Secretary of Defense (Comptroller) provide relevant details pertaining to Department of Defense support to the Executive Office of the President and the White House Military Office specifically, by budget category, including appropriation and line number. These two budget exhibits should be submitted in unclassified form as appropriate and with a classified enclosure as necessary.

Review of RS-26 ballistic missile (sec. 1245)

The House bill contained a provision (sec. 1247) that would require the President, in consultation with the relevant members of the National Security Council, to conduct a review of the Russian Federation’s RS-26 ballistic missile and submit a report to Congress not later than 90 days after the date of enactment of this Act. Such report would include a determination of whether the RS-26 ballistic missile is covered under the New START Treaty or the Intermediate-Range Nuclear Forces Treaty and would contain the implications of such determination for assessment of the Russian Federation’s compliance with either treaty.

The Senate amendment contained no similar provision.

The Senate recedes.

SUBTITLE F—MATTERS RELATING TO THE INDO-ASIA-PACIFIC REGION

Sense of Congress and Initiative on the Indo-Asia-Pacific region (sec. 1251)

The House bill contained a provision (sec. 1261) that would express a sense of Congress that the United States has a national interest in maintaining the stability and security of the Indo-Asia-Pacific region. It expresses that the United States should maintain a military capability to deter acts of aggression and respond to regional threats. It expresses that continuing efforts to realign forces, commit additional assets, and increase investments in the region are necessary to maintain a robust U.S. commitment to the region.

The Senate amendment contained a similar provision (sec. 1261) that would authorize the Secretary of Defense to establish the Indo-Asia-Pacific Stability Initiative and provide the
necessary guidelines and authorities for the Department of Defense to execute and implement it. The recommended provision would outline the stated objective of the initiative, the authorized activities, and funding authorities to be used. The recommended provision would also ensure that the Department of Defense retains a maximum amount of flexibility in carrying out the initiative.

The House recedes with an amendment that would combine the two provisions and require the Department to submit to the congressional defense committees a plan outlining the projects and activities needed for the Indo-Asia-Pacific Stability Initiative.

The conferees emphasize that the United States must maintain a robust, long-term security presence in the Indo-Asia-Pacific to help preserve peace and stability in the region amid current and emerging threats. The conferees expect the Department to request additional base budget funding for the Indo-Asia-Pacific Stability Initiative in future years as part of its annual budget request. Laying the groundwork for this initiative will enable the United States and its allies and partners in the region to plan for long-term security and stability in the region.

Report on strategy to prioritize United States defense interests in the Indo-Asia-Pacific region (sec. 1252)

The House bill contained a provision (sec. 1262) that would require the Department of Defense to develop a strategy that would prioritize the Department of Defense’s efforts in the Indo-Asia-Pacific region and to submit a report on this plan to the appropriate congressional committees by February 1, 2018. This provision would also repeal section 1251 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require that the report be informed by the overall presidential strategy required by section 1261(a) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92; 129 Stat. 1072).

The amendment would also extend the deadline for the presidential strategy to March 1, 2018 and require that the Department of Defense report be submitted not later than 90 days after the date on which the President issues his strategy for the Indo-Asia-Pacific region, which should also be simultaneously submitted to the appropriate congressional defense committees.
Assessment of United States force posture and basing needs in the Indo-Asia-Pacific region (sec. 1253)

The House bill contained a provision (sec. 1263) that would require the Secretary of Defense to assess U.S. Pacific posture, deployment plans, and realignment and basing needs to accomplish U.S. defense priorities and respond to complex crises and contingencies. This section would also require the Secretary to report the results of this assessment to the congressional defense committees not later than March 1, 2018.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would change the report submission date to April 1, 2018.

Plan to enhance the extended deterrence and assurance capabilities of the United States in the Asia-Pacific region (sec. 1254)

The House bill contained a provision (sec. 1264) that would express the sense of Congress that the United States is committed to providing extended deterrence to allies in the Asia-Pacific, including Japan and the Republic of Korea. This provision would also state that the United States must maintain robust nuclear capabilities, including nuclear-capable aircraft, to assure that the full spectrum of military options associated with the extended deterrence commitments of the United States remains credible and executable.

The Senate amendment contained two similar provisions (sec. 1269 and 6204) that would express the sense of Congress that the nuclear and missile program of North Korea is one of the most dangerous national security threats facing the United States today and that the Nuclear Posture Review (NPR) to be completed this year should fully consider the perspectives of key allies and partners in East Asia, including the Republic of Korea and Japan, as well as actions to reassure those countries.

The House bill contained another provision (sec. 1270D) that would require the Secretary of Defense to submit to the congressional defense committees a plan to enhance the extended deterrence capabilities of the United States in the Asia-Pacific region. This plan would include consideration of a number of actions that would enhance United States security by strengthening deterrence of North Korean aggression.

The Senate amendment contained a similar provision (sec. 6206).

The Senate recedes with amendments that would combine all five provisions, strike some of the findings, and remove a reference to the Intermediate-Range Nuclear Forces Treaty.
Sense of Congress reaffirming security commitments to the Governments of Japan and South Korea and trilateral cooperation between the United States, Japan, and South Korea (sec. 1255)

The House bill contained a provision (sec. 1266) that would express the sense of Congress that the United States values its alliances with the Governments of Japan and the Republic of Korea and that the United States should continue to further defense cooperation. The provision would also seek to promote continued and strengthened bilateral and trilateral cooperation on a full range of issues related to the Democratic People’s Republic of Korea and to other security challenges in the Indo-Asia-Pacific region.

The Senate amendment contained two similar provisions (secs. 1267 and 1268) that between them would express the sense of Congress that the United States and Japan are indispensable partners and that the bilateral security alliance will continue to ensure a secure and prosperous world; and express the sense of Congress that the United States should continue to support efforts to strengthen the alliance with South Korea, to defend the alliance against provocations committed by North Korea, and support efforts to deepen trilateral coordination and cooperation between the United States, South Korea, and Japan.

The Senate recedes with an amendment that would combine all three provisions into one.

Strategy on North Korea (sec. 1256)

The House bill contained a provision (sec. 1270B) that would express the sense of Congress that North Korea continues to pose a threat to the security of the United States and to our allies and partners in the region, and that the United States should take appropriate steps to counter this threat.

The Senate amendment contained a similar provision (sec. 11202) that would require the Secretary of Defense to submit to the congressional defense committees a report that sets forth a strategy of the United States with respect to North Korea, not later than 90 days after the date of the enactment of this Act.

The House recedes with an amendment that would elevate the required strategy to the President of the United States and broaden the elements required in the strategy.

The conferees note that:
(1) the United States should act to counter North Korea's continued development and testing of nuclear weapons and intercontinental ballistic missiles;
(2) the development of a functional and operational North Korean nuclear and intercontinental ballistic missile program
constitutes a threat to the security of the United States and to our allies and partners in the region;

(3) the defense of the United States and our allies against North Korean aggression remains a top priority, and the United States maintains an unwavering and steadfast commitment to the policy of extended deterrence, especially with respect to South Korea and Japan;

(4) the United States supports the deployment of the Terminal High Altitude Area Defense (THAAD) system in South Korea to counter North Korea's missile threat and the deployment of ballistic missile defense systems to allies in the Indo-Asia-Pacific region to protect from the growing threat of North Korea's nuclear weapons and ballistic missile programs;

(5) the United States should encourage further multilateral security cooperation and dialogue among South Korea, Japan, and Australia to address the North Korea threat;

(6) the United States calls upon the People's Republic of China to pressure North Korea to cease its provocative behavior and abandon and dismantle its nuclear and ballistic missile programs, and comply with all relevant United Nations Security Council resolutions;

(7) the United States should fully enforce all existing sanctions on North Korea and undertake a comprehensive diplomatic effort to urge allies and other countries to fully enforce, and build upon, existing international sanctions; and

(8) the United States should retain diplomatic, economic, and military options to defend against and pressure North Korea to abandon its illicit weapons program.

North Korean nuclear intercontinental ballistic missiles
(sec. 1257)

The House bill contained a provision (sec. 1694) that would require the Secretary of Defense to provide to the congressional defense committees a briefing on the hazards or risks posed directly or indirectly by the nuclear ambitions of North Korea, including several specified elements.

The Senate amendment contained no similar provision.

The Senate recedes with several technical and clarifying amendments.

Advancements in defense cooperation between the United States and India (sec. 1258)

The House bill contained a provision (sec. 1270C) that would require the Secretary of Defense, in consultation with the Secretary of State, to develop a strategy for advancing defense
cooperation between the United States and India, not later than 180 days after the date of the enactment of this Act.

The Senate amendment contained a similar provision (sec. 6201). The provision also would add additional duties to the senior official responsible for enhanced U.S.-India defense trade, pursuant to section 1292 of the National Defense Authorization Act for Fiscal Year 2017 (P.L. 114-328; 130 Stat. 2559).

The House recedes with an amendment that combines the strategy reporting requirement with existing reporting requirements from section 1292 of the National Defense Authorization Act for Fiscal Year 2017 (P.L. 114-328; 130 Stat. 2559).

The conferees note that:

(1) Subsection(a)(1)(A) of section 1292 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328; 130 Stat. 2559) requires the recognition of India as a major defense partner.

(2) The designation of 'Major Defense Partner' is unique to India, and institutionalizes the progress made to facilitate defense trade and technology cooperation between the United States and India to a level commensurate with the closest allies and partners of the United States.

(3) The designation promotes joint exercises, defense strategy and policy coordination, military exchanges, and port calls in support of defense cooperation between the United States and India.

(4) The modified requirements outlined in this provision require the Secretary of Defense to develop a forward-looking strategy that would build upon current objectives and goals, underlining a mutual desire to develop an enduring defense relationship with India.

(5) The United States and India should work closely with Afghanistan to promote stability in the region to include targeted infrastructure development and economic investment, means to address capability gaps in country, and improved humanitarian and disaster relief assistance.

**Strengthening the defense partnership between the United States and Taiwan (sec. 1259)**

The House bill contained two provisions (secs. 1268 and 1270E) that would, respectively, express a sense of Congress to strengthen the defense of Taiwan and direct the Department to submit a report on the feasibility and advisability of naval port calls with Taiwan. The sense of Congress would encourage the Department to continue the transfer of defense articles and
services, expand training and exercises with Taiwan, support practical military personnel training and exchanges between services, encourage Taiwan’s continued investment in asymmetric self-defense capabilities and support humanitarian assistance and disaster relief training.

The Senate amendment contained five similar provisions (secs. 1270, 1270A, 1270B, 1270C, and 1270D) that would respectively: express a sense of Congress encouraging strengthened bilateral relations between the United States and Taiwan through increased regular defense articles and defense services transfers, air defense training capability building, and multilateral exercises; reestablish naval port call exchanges between the U.S. and Taiwan at appropriate locations; direct the Department of Defense to enhance the undersea warfare capabilities of Taiwan; direct the Department to invite Taiwan’s military forces to participate in joint military exercises, particularly the annual ‘Red Flag’ aerial combat training military exercise; and direct the Department to submit a report on military exchanges between senior officers and officials of the United States and Taiwan, pursuant to section 1284 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The House recedes with an amendment that would combine all seven provisions into one. The new provision would make a statement of policy regarding the commitment of the United States to Taiwan and express a Sense of Congress on steps that should be taken to strengthen the defense relationship between the two countries.

Normalizing the transfer of defense articles and defense services to Taiwan (sec. 1259A)

The House bill contained a provision (sec. 1270G) that would require the Secretary of Defense, not later than 120 days after the date on which the Secretary receives a Letter of Request from Taiwan with respect to the transfer of a defense article or defense service to Taiwan, in consultation with the Secretary of State, to submit to the appropriate congressional committees a report with details of the request. The provision would also direct that, not later than 180 days after the date of the enactment of this Act, and every 180 days thereafter, the Secretary, in coordination with the Secretary of State, shall provide a briefing to the appropriate congressional committees with respect to the security challenges faced by Taiwan and the military cooperation between the United States and Taiwan, including a description of any requests from Taiwan for the transfer of defense articles or defense services and the status,
whether signed or unsigned, of any Letters of Offer and Acceptance with respect to such requests.

The Senate amendment contained no similar provision.
The Senate recedes with a technical, clarifying amendment.

Assessment on United States defense implications of China's expanding global access (sec. 1259B)

The House bill contained a provision (sec. 1270F) that would require the Secretary of Defense, in consultation with the Secretary of State, to assess the foreign military and nonmilitary activities of the People’s Republic of China that could affect the regional and global national security and defense interests of the United States.

The Senate amendment contained a similar provision (sec. 6216) that would require the Secretary of Defense to enter into a contract or other agreement with an appropriate entity independent of the Department of Defense to conduct an assessment of the foreign military and non-military influence of the People’s Republic of China that could affect the regional and global national security and defense interests of the United States.

The Senate recedes with an amendment that would make technical, clarifying edits.

Agreement supplemental to Compact of Free Association with Palau (sec. 1259C)

The House bill contained a provision (sec. 1265) that would authorize the Secretary of the Interior to meet the financial obligations of the United States under an agreement with the Government of the Republic of Palau.

The Senate amendment contained a similar provision (sec. 1263) that would provide the Congressional approval necessary to bring the September 2010 Compact Review Agreement (CRA) with Palau and its appendices into force, while authorizing and approving necessary modifications to the outdated funding schedule that was included in the 2010 Agreement.

The House recedes with an amendment that includes technical, clarifying edits.

The conferees note that funds to comply with this agreement are authorized in budget function 800.

Study on United States interests in the Freely Associated States (sec. 1259D)
The Senate amendment contained a provision (sec. 6205) that would require the Secretary of Defense to enter into an agreement with an appropriate independent entity to conduct a study and assessment of United States security and foreign policy interests in the Freely Associated States of the Republic of Palau, the Republic of the Marshall Islands, and the Federated States of Micronesia.

The House bill contained no similar provision.

The House recedes with an amendment that would make technical edits.

**SUBTITLE G—REPORTS**

Modification of annual report on military and security developments involving the People's Republic of China (sec. 1261)


The Senate amendment contained no similar provision.

The Senate recedes.

Modification of annual update of Department of Defense Freedom of Navigation Operations report (sec. 1262)

The House bill contained a provision (sec. 1289) that would require reporting of certain types and locations of excessive maritime claims that have not been challenged by the United States.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would omit excessive claim locations and require a list of all countries with excessive maritime claims.

Report on strategy to defeat Al-Qaeda, the Taliban, the Islamic State of Iraq and Syria (ISIS), and their associated forces and co-belligerents (sec. 1263)

The House bill contained a provision (sec. 1291) that would require the President to submit to Congress a report on the United States strategy to defeat Al-Qaeda, the Taliban, the Islamic State of Iraq and Syria (ISIS), and their associated
forces and co-belligerents not later than 30 days after the date of the enactment of this Act. The provision would also require the Secretary of State and the Secretary of Defense to testify at any hearings held on the report.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

The conferees expect that after the report required in this section is submitted to Congress the Secretary of Defense and Secretary of State will, if requested, testify before Congress on the findings of the report.

Report on and notice of changes made to the legal and policy frameworks for the United States' use of military force and related national security operations (sec. 1264)

The House bill contained a provision (sec. 1292) that would require the President, not later than 30 days after the date on which a change is made to any of the legal or policy frameworks described in the report entitled "Report on the Legal and Policy Frameworks Guiding the United States Use of Military Force and Related National Security Operations" prepared by the national security departments and agencies and published on December 5, 2016, to notify certain congressional committees of such change, including the legal, factual, and policy justification for such change.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the President, not later than 90 days after the enactment of this Act, to submit to certain congressional committees a report on the legal and policy frameworks for the United States’ use of military force and related national security operations and, not later than 30 days after a change is made to these legal and policy frameworks, to notify these committees of such change.

Report on military action of Saudi Arabia and its coalition partners in Yemen (sec. 1265)

The House bill contained a provision (sec. 1293) that would require the Secretary of Defense and Secretary of State to jointly submit a report on the military action of Saudi Arabia and its partners in Yemen.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Submittal of Department of Defense Supplemental and Cost of War Execution reports on quarterly basis (sec. 1266)
The Senate amendment contained a provision (sec. 1271) that would require the Department of Defense to submit the Cost of War Execution report quarterly rather than monthly.
The House bill contained no similar provision.
The House recedes with a technical amendment.

Consolidation of reports on United States Armed Forces, civilian employees, and contractors deployed in support of Operation Inherent Resolve and Operation Freedom’s Sentinel, and associated and successor operations (sec. 1267)

The House bill contained a provision (sec. 1228) that would require the President to submit to Congress a report on the deployment of United States combat forces to Syria.
The Senate amendment contained a related provision (sec. 1272) that would consolidate reporting by the Secretary of Defense on the deployment of United States Armed Forces, civilian employees, and contractors deployed in support of Operation Inherent Resolve and Operation Freedom’s Sentinel.
The House recedes with a clarifying amendment.

Comptroller General of the United States report on pricing and availability with respect to foreign military sales (sec. 1268)

The Senate amendment contained a provision (sec. 1283) that would require the Department of Defense implementing agency for a foreign military sale to consult with the relevant US commercial entities involved in the sale before delivering a formal pricing and availability response to the foreign customer. If the commercial entity believes the price is not accurate, then the commercial entity and the implementing agency should each provide a justification for the differences to the Defense Security Cooperation Agency within 30 days of being notified of the discrepancy by the commercial entity.
The House bill contained no similar provision.
The House recedes with an amendment that would require the Comptroller General of the United States to perform a comprehensive assessment, not later than 1 year after the date of the enactment of this Act, of the purpose and role of pricing and availability within the foreign military sale process, including assumptions, transparency, common discrepancies, and other elements.

Annual report on military and security developments involving the Russian Federation (sec. 1269)
The Senate amendment contained a provision (sec. 6211) that would add an element on hybrid warfare to the annual report on Russian military and security developments required under section 1245 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291), as most recently amended by the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The House bill contained no similar provision.

The House recedes with an amendment that would add an element to the annual report concerning attempts of the Russian Federation to provide disinformation and propaganda to members of the Armed Forces by social media.

SUBTITLE H—OTHER MATTERS

Security and stability strategy for Somalia (sec. 1271)

The House bill contained a provision (sec. 1273) that would require the President to submit a report to the appropriate congressional committees not later than 120 days after the date of enactment of this Act containing a comprehensive strategy to achieve long-term security and stability in the Federal Republic of Somalia.

The Senate amendment contained no similar provision.

The Senate recedes with clarifying amendment.

Global Theater Security Cooperation Management Information System (sec. 1272)

The House bill contained a provision (sec. 1274) that would require the Secretary of Defense to enter into an agreement with a federally funded research and development center to conduct an assessment of the effectiveness of measures taken to improve the functionality of the Global Theater Security Cooperation Management Information System (G-TSCMIS).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to update relevant security cooperation guidance for use of G-TSCMIS or any security cooperation information system that is a successor to G-TSCMIS with associated reporting requirements.

Future years plan for the European Deterrence Initiative (sec. 1273)
The House bill contained a provision (sec. 1275) that would require the Secretary of Defense, in consultation with the Commander of the United States European Command, to submit a future years plan on activities and resources of the European Deterrence Initiative (EDI) for fiscal year 2018 and four successive fiscal years. The plan would also include an assessment of what would be required to fully resource U.S. force posture and capabilities in the European theater, as well as a plan to station additional permanent U.S. troops in Europe along with the necessary infrastructure and enablers. The provision would also require the Secretary of Defense to pause divestment of any remaining sites under the European Infrastructure Consolidation (EIC) until the required plan is submitted to Congress.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would add to the matters to be included in the required plan an analysis of the challenges to the ability of the United States to flow significant forces from the continental United States to the European theater in the event of a major contingency, as well as a description of the Department of Defense’s plans, including military exercise, to address such challenges.

Extension of authority to enter into agreements with participating countries in the American, British, Canadian, and Australian Armies’ Program (sec. 1274)

The House bill contained a provision (sec. 1276) that would extend by 5 years the authority in section 1274(g) of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112-239) to enter into agreements with participating countries in the American, British, Canadian, and Australian Armies’ Program.

The Senate amendment contained no similar provision.

The Senate recedes.

United States military and diplomatic strategy for Yemen (sec. 1275)

The House bill contained a provision (sec. 1277) that would require the President to submit to the appropriate congressional committees a report that contains a security strategy for Yemen. The provision would additionally specify that none of the funds authorized to be appropriated by this Act are authorized to be made available to deploy members of the Armed Forces to participate in the ongoing civil war in Yemen.

The Senate amendment contained no similar provision.
The Senate recedes with an amendment that would strike the prohibition on funds and make other clarifying changes.

**Transfer of excess high mobility multipurpose wheeled vehicles to foreign countries (sec. 1276)**

The House bill contained a provision (sec. 1278) that would prohibit the Secretary of Defense from transferring any excess defense articles (EDA) that are high mobility multipurpose wheeled vehicles (HMMWVs) until 30 days after the Comptroller General of the United States submits a report to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives that assesses the Department of Defense’s efforts to evaluate the potential impact of HMMWV EDA transfers on the U.S. industrial base for fiscal years 2012 through 2016. The House bill also included authority for the President to waive the prohibition if in the national interest.

The Senate amendment contained a provision (sec. 111) that would require that HMMWVs designated for transfer as EDA must be modernized and refurbished to like-new conditions by U.S. workers prior to transfer. The Senate amendment included authority for the Secretary of Defense to waive the requirement if in the interest of national security.

The House recedes with an amendment that provides that the requirement to refurbish and modernize EDA HMMWVs will take effect 90 days after enactment of this Act; sunsets this requirement after three years; retains the requirement for the Comptroller General’s assessment, but removes the prohibition on such transfers; and modifies the waiver authority and notification requirements.

The conferees note that the transfer of excess defense articles can make an important contribution to advancing the national security and foreign policy interests of the United States and its allies and partners. At the same time, the conferees note the concerns that have been raised that the existing requirements to determine the potential impact of EDA transfers on the U.S. industrial base, as required under section (b)(1)(E) of title 22, United States Code, are not being enforced, and as such there could be adverse impacts to the U.S. industrial base or its workforce. Concerns have been raised in particular about the potential adverse impacts of EDA HMMWV transfers to the light tactical vehicle industrial base.

The conferees expect any modernization and refurbishment work to be done at no cost to the government unless congressionally appropriated funds have been designated and are available for such purposes, such as is the case under the
Afghanistan Security Forces Fund (ASFF). The conferees are also aware that a pending transfer of excess defense article vehicles to Iraq has resulted in significant concerns among entities within the industrial base. The conferees encourage the Secretary of Defense to review this pending transfer and expect the Secretary to consider the concerns raised by these entities within the industrial base before authorizing this transfer. The conferees expect the Secretary of Defense to fully review the condition of these HMMWVs before transfer in order to determine whether further upgrades to these vehicles are necessary. Finally, the conferees intend for the refurbishment requirement under this section to apply only to HMMWVs within the continental United States that have been declared excess and not to those vehicles located outside the continental United States.

The conferees fully expect the Department to exercise the waiver authority, as necessary, if it is in the national interest to do so. If the waiver authority is used, the conferees encourage the Department to consider if practicable including additional information in the written determination to Congress to supplement the notification elements required in this provision. Such information may include serial and model numbers of individual HMMWVs, as well as information, to the extent practicable, regarding consultation with industrial base partners.

Finally, the conferees note that HMMWVs will remain in the light tactical wheeled vehicle fleet for the foreseeable future even after the fielding of the Joint Light Tactical Vehicle (JLTV). Therefore, not later than 90 days after enactment of this act, the conferees direct the Secretary of the Army to provide a briefing to the House and Senate Armed Services Committees on the Army’s plan to manage the tactical wheeled vehicle fleet and the impact this strategy will have on the industrial base.

Department of Defense program to protect United States students against foreign agents (sec. 1277)

The House bill contained a provision (sec. 1279) that would require the Secretary of Defense to develop and implement a program to prepare U.S. students studying abroad through Department of Defense National Security Education Programs to recognize and protect themselves against recruitment efforts by foreign intelligence agents. This section would also require the Secretary of Defense to provide a briefing to the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives on the plan to develop and implement the program.
The Senate amendment contained no similar provision. The Senate recedes with an amendment that would make technical modifications.

Limitation and extension of United States-Israel anti-tunnel cooperation authority (sec. 1278)

The House bill contained a provision (sec. 1280) that would extend through December 31, 2020 the authority under section 1279 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), as amended by the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), for the Secretary of Defense, in consultation with the Secretary of State and the Director of National Intelligence, to carry out research, development, test, and evaluation, on a joint basis with Israel, to establish anti-tunnel capabilities to detect, map, and neutralize underground tunnels that threaten the United States or Israel.

The Senate amendment contained a similar provision (sec. 1282) that would provide that of the amount contributed by the United States for activities under section 1279 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), as amended by the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), not less than 50 percent of such amount shall be used for research, development, test, and evaluation activities for purposes of such section in the United States.


Anticorruption strategy (sec. 1279)

The House bill contained a provision (sec. 1281) that would require the Secretary of Defense, the Secretary of State, and the Administrator of the United States Agency for International Development, in consultation with the heads of other relevant Federal agencies, to develop a strategy to prevent corruption in reconstruction efforts and submit it to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives.

The Senate amendment contained no similar provision. The Senate recedes with an amendment that would require the Secretary of State, the Secretary of Defense, and the
Administrator of the United States Agency for International Development to jointly develop a strategy to prevent corruption in any reconstruction efforts associated with United States contingency operations and submit such strategy to the appropriate congressional committees.

**Strategy to improve defense institutions and security sector forces in Nigeria (sec. 1279A)**

The House bill contained a provision (sec. 1285) that would require the President to submit a report to the appropriate congressional committees that contains a comprehensive strategy to support improvements in defense institutions and security sector forces in Nigeria.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

**Limitation on availability of funds to implement the Arms Trade Treaty (sec. 1279B)**

The House bill contained a provision (sec. 1296) that would prohibit the obligation of funds authorized to be appropriated by the Department of Defense to support the implementation of the Arms Trade Treaty, to sustain domestic prosecutions based on any charge related to the Treaty, or to implement the Treaty until the Senate approves a resolution of ratification for the Treaty and implementing legislation for the Treaty has been enacted into law.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment.

The conferees understand that, while the United States is participating in the annual Conference of States Parties (CSP) for the Arms Trade Treaty, and expending money in so doing, it has not expended any money to implement the Arms Trade Treaty. The conferees expect the Secretary of Defense and the Secretary of State will scrupulously ensure that no taxpayer funding is expended in support of implementation of this treaty until such time as the United States ratifies the treaty and enacts any required implementing legislation.

**Cultural Heritage Protection Coordinator (sec. 1279C)**

The House bill contained a provision (sec. 1297) that would require the Secretary of Defense, not later than 90 days after the date of the enactment of this Act, to designate an employee of the Department of Defense to serve concurrently as the Coordinator for Cultural Heritage Protection. This
individual would be responsible for coordinating existing obligations of the Department for the protection of cultural heritage and for convening a coordinating committee of entities within the Department that have responsibility or capacity for protecting cultural heritage.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense, not later than 90 days after the date of the enactment of this Act, to designate an employee of the Department of Defense to serve concurrently as the Coordinator for Cultural Heritage Protection. This individual would be responsible for coordinating existing obligations of the Department for the protection of cultural heritage and coordinating, as appropriate, with the Cultural Heritage Coordinating Committee convened by the Secretary of State.

Security assistance for Baltic nations for joint program for joint interoperability and deterrence against aggression (sec. 1279D)

The Senate amendment contained a provision (sec. 6210) that would authorize the Secretary of Defense, with the concurrence of the Secretary of State, to provide security assistance of up to $100.0 million to conduct or support a joint program of the Baltic nations to improve their resilience against and build their capacity to deter aggression by the Russian Federation.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify the authority under this section by limiting it to the conduct or support of a single joint program; defining appropriate defense articles or services; and specifying the available source of funding as Operation and Maintenance, Defense-wide. The amendment would also require the Secretary to submit notice of specified information before initiating activities under the joint program. The authority under this section would terminate on December 31, 2020.

Restriction on funding for the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (sec. 1279E)

The House bill contained a provision (sec. 1270A) that would state as U.S. policy that United Nations Security Council Resolution 2310 (September 23, 2016) does not obligate the United States to refrain from actions that would run counter to the Comprehensive Nuclear Test-Ban Treaty (CTBT). It would also prohibit the provision of U.S. funds to the Preparatory
Commission for the Comprehensive Nuclear Test-Ban Treaty Organization, with an exception for funds provided for the International Monitoring System (IMS).

The Senate amendment contained no similar provision. The Senate recedes with an amendment that would clarify that the exception would also apply to funds used solely for the analysis and dissemination of data collected through IMS.

The conferees believe that, because the United States has not ratified the CTBT in accordance with Article II, section 2, of the U.S. Constitution, and, following the rejection of the Resolution of Ratification in 1999 by the Senate, it is wholly inappropriate for U.S. funds to support activities of the Preparatory Commission that include advocating for ratification of the treaty or otherwise preparing for the treaty’s possible entry into force. The conferees urge the Secretary of State to clearly convey the intent of this Act when making any funds available to the Preparatory Commission.

Clarification of authority to support border security operations of certain foreign countries (sec. 1279F)

The Senate amendment contained a provision in Division F (sec. 11206) that would amend section 1226(b) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), as most recently amended by section 1294 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), by striking “such fiscal year” in both places where it appears.

The House bill contained no similar provision.

The House recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

Sense of Congress on cybersecurity cooperation with Ukraine

The House bill contained a provision (sec. 1076) that would express the sense of the Congress that the United States reaffirms support for the sovereignty and territorial integrity of Ukraine, and that the United States should assist Ukraine in improving its cybersecurity capabilities.

The Senate amendment contained a similar provision (sec. 11201).

Neither provision was adopted.

The conferees reaffirm the support of the United States for the sovereignty and territorial integrity of Ukraine in the face of continued Russian aggression. The conferees also note the concerning history of cyberattacks in Ukraine, including a
significant Russian attack on its power grid in December 2015. The conferees believe the United States should assist Ukraine in improving its cybersecurity capabilities.

**Extension of Commanders’ Emergency Response Program and related authorities**

The Senate amendment contained a provision (sec. 1211) that would extend through December 31, 2019 the Commanders’ Emergency Response Program in Afghanistan under section 1201 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112-81) as amended by the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The Senate recedes.

The conferees note that the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) authorized the Commanders’ Emergency Response Program in Afghanistan through December 31, 2018. The conferees encourage the Department of Defense to engage with the congressional defense committees about the future of the Commanders’ Emergency Response Program in Afghanistan.

**Report on United States strategy in Afghanistan**

The House bill contained a provision (sec. 1212) that would require the Secretary of Defense, in coordination with the Secretary of State, to submit a report to the appropriate congressional committees that would describe the United States strategy in Afghanistan.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note the importance of receiving timely, detailed information on the U.S. military effort in Afghanistan. The conferees direct the Secretary of Defense, in coordination with the Secretary of State, to provide a report on the Afghanistan strategy no later than February 15, 2018. The report should include a description of U.S. security interests and objectives; the current and planned military efforts to support such objectives; the anticipated timeline necessary to achieve such objectives; a description of the projected long-term U.S. military role in Afghanistan; an analysis of the risk to force, including green on blue attacks, and the efforts to mitigate such risks; an accounting of the costs associated with accomplishing the security objectives over the projected timeline; a description of the interests, objectives, and activities of other regional actors in Afghanistan, including
Russia, Iran, Pakistan, China, India, and any other country the Secretary believes to be influencing Afghanistan’s stability and security.

Sense of Congress relating to Dr. Shakil Afridi

The House bill contained a provision (sec. 1214) that would state that it is the sense of Congress that Dr. Shakil Afridi is an international hero and that the Government of Pakistan should release him immediately from prison.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the contributions of Dr. Afridi to efforts to locate Osama bin Laden, remain concerned about Dr. Afridi’s continuing incarceration, and urge the Government of Pakistan to release him immediately.

Sense of Congress regarding the Afghan special immigrant visa program

The Senate amendment contained a provision (sec. 1216) that would express the sense of Congress that an additional 4,000 visas should be made available for principal aliens who are eligible for special immigrant status under the Afghan Allies Protection Act of 2009 (8 U.S.C. 1101 note) to prevent harm to the operations of the United States Government in Afghanistan.

The House recedes.

The conferees believe the special immigrant visa program continues to be critical for the U.S. Government’s operations in Afghanistan. The conferees note that special immigrant visas for Afghan allies are addressed elsewhere in this report.

Report on impact of humanitarian crisis on achievement of United States security objectives in Syria

The House bill contained a provision (sec. 1221A) that would require the Secretary of Defense, in coordination with the Secretary of State, to submit a report on the impact of the humanitarian crisis in Syria on the achievement of the goals of the United States in the broader region.

The Senate amendment contained no similar provisions.

The House recedes.

The conferees note that requirements for a report on the impact of the humanitarian situation in Syria on United States objectives have been incorporated elsewhere in this Act as part
of a provision requiring the President to submit a report on the strategy of the United States in Syria to appropriate congressional committees.

*Sense of Congress on threats posed by the Government of Iran*

The House bill contained a provision (sec. 1224) that expressed the sense of Congress that the United States should counter the expansion of the malign activities of the Government of Iran.

The Senate contained no similar provision.

The House recedes.

The conferees urge the Secretary of Defense to apply appropriate attention and resources to countering the Government of Iran’s malign activities, including by maintaining a robust U.S. military presence forward deployed in the United States Central Command area of responsibility, supporting regional ballistic missile defense capabilities and cooperation, countering Iranian efforts to illicitly proliferate weapons, and ensuring freedom of navigation.

*Report on merits of an Incidents at Sea agreement between the United States, Iran, and certain other countries*

The House bill contained a provision (sec. 1225) that would require the Secretary of Defense, in coordination with the Secretary of State, to submit to the appropriate congressional committees a report assessing the relative merits of a multilateral or bilateral Incidents at Sea Military-to-Military Agreement between the United States and other countries operating in the Persian Gulf.

The Senate amendment contained no such provision.

The House recedes.

The conferees direct the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives, no later than February 15, 2018, on the feasibility and advisability of establishing military-to-military channels of communication with Iran and other countries operating in the Persian Gulf, the Gulf of Oman, and neighboring maritime environments for the purposes of preventing accidental conflict. The report shall contain an evaluation of strategic interests in the region and a description of past and current U.S. procedures for addressing unexpected encounters at sea. The required report shall be submitted in unclassified form, but it may contain a classified annex.
Report on steps and protocols related to the rescue, care, and treatment of captives of the Islamic State

The House bill contained a provision (sec. 1227) that would require the Secretary of Defense to submit a report to the Congress containing a description of any steps the Department of Defense is taking to ensure coordination between the Armed Forces of the United States and local forces in conducting military operations in regions controlled by the Islamic State where religious or minority groups are known or thought to be held captive. The report would also contain a description of any protocols that will be put in place by the Department of Defense, including protocols developed in coordination with the Government of Iraq, for the care and treatment of religious or minority groups rescued from captivity under the Islamic State, including any protocol for relocating such groups of captives to safe locations.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense not later than 60 days after the date of enactment of this Act to submit to Congress a report that describes any steps the Department of Defense is taking to ensure coordination between the Armed Forces of the United States and local forces operating in areas controlled by the Islamic State related to the rescue, care, and treatment of religious or minority groups known or thought to be held captive by the Islamic State, to include relocating such groups of captives to safe locations. Additionally, the report shall provide a description of any protocols that will be put in place by the Department of Defense, including protocols developed in coordination with the Government of Iraq, for the care and treatment of religious or minority groups rescued from captivity under the Islamic State, including any protocol for relocating such groups of captives to safe locations. The required report shall be delivered in unclassified form, but it may include a classified annex.

Report on use by the Government of Iran of commercial aircraft and related services for illicit activities

The House bill contained a provision (sec. 1229) that would require the President to submit to the appropriate congressional committees a report on the Government of Iran’s use of commercial aircraft for illicit activities.

The Senate amendment contained no similar provision.

The House recedes.
The conferees note that a provision is included elsewhere in this Act that would require an annual report on the information referenced in the House provision.

**Strategy for Syria and Iraq**

The House bill contained a provision (sec. 1230A) that would require the Secretary of Defense, in coordination with the Secretary of State, to submit to appropriate congressional committees a strategy for Iraq and Syria.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense, in coordination with the Secretary of State to submit to the Committee on Foreign Affairs and the Committee on Armed Services of the House of Representatives and the Committee on Foreign Relations and the Committee on Armed Services of the Senate a report on the United States strategy in Iraq. The report shall include the following elements: a description of the political and military objectives and end states inherent to the strategy; a description of the plan for achieving those objectives and end states, including a plan for facilitating political reform and reconciliation among ethnic groups and political parties in Iraq; an assessment of the future force structures, capacities, and capability requirements of the Iraqi Security Forces (to include all forces with a national security mission); a description of the roles and responsibilities of United States allies and partners and other countries in the region in establishing regional stability; a description of the military conditions that must be satisfied for the Islamic State of Iraq and Syria to be considered defeated; and an assessment of the extent to which U.S. military presence in Iraq would be necessary to support the strategy, including the size, roles, and missions associated with any such presence. The required report shall be submitted in unclassified form, but it may contain a classified annex.

The conferees note that a provision is included elsewhere in this Act that would require the President to submit a report on the strategy of the United States in Syria with reference to elements specific to Syria in the House provision.

**Sense of Congress on support for Georgia**

The House bill contained a provision (sec. 1237) that would express the sense of Congress on support for Georgia’s sovereignty and territorial integrity as well as support for continued cooperation between the United States and Georgia.
The Senate amendment contained no similar provision. The House recedes. The conferees note that U.S. support for allies and partners in Europe is addressed elsewhere in this report.

Sense of Congress on support for Estonia, Latvia, and Lithuania

The House bill contained a provision (sec. 1238) that would express the sense of Congress on support for the Republic of Estonia, the Republic of Latvia, and the Republic of Lithuania, including support for their sovereignty. The Senate amendment contained no similar provision. The House recedes. The conferees note that U.S. support for allies and partners in Europe is addressed elsewhere in this report.

Russian aggression and the security environment in Europe

The Senate amendment contained nine provisions (sec. 1243 – sec. 1250 and sec. 6207) relating to Russian aggression and the security environment in Europe. The House bill contained no similar provisions. The Senate recedes. The conferees note that the content of these provisions is addressed elsewhere in this report.

Limitation on availability of funds to extend the implementation of the New START Treaty

The House bill contained a provision (sec. 1246) that would prohibit the obligation or expenditure of any funds authorized to be appropriated or otherwise made available for the Department of Defense for fiscal year 2018 to extend the implementation of the New START Treaty unless the President certifies that the Russian Federation has verifiably eliminated all missiles that are in violation of or may be inconsistent with the Intermediate-Range Nuclear Forces (INF) Treaty. The Senate amendment contained no similar provision. The House recedes. The conferees are frustrated with the continued Russian violation of the INF Treaty, as described in detail elsewhere in this Act, as well as the failure of diplomatic efforts to bring them back into compliance so far. While the Russian Federation appears to be moving toward compliance with the limits laid out by the New START Treaty, the Russian Federation cannot be allowed to comply only with treaties that suit its interests and violate those that do not. Treaties are not negotiated and
ratified independently but in the context of the range of arms control agreements in force. The testimony of General Paul Selva, Vice Chairman of the Joint Chiefs of Staff, at a March 8, 2017, House Armed Services Committee hearing corroborates this: “I anticipate Russia’s violation of its international commitments such as the INF Treaty will be a consideration in any future arms control discussion.” As the expiration date of the New START Treaty approaches, the conferees urge the President and the members of the National Security Council to carefully consider whether extending the treaty, if Russia is still in violation of the INF Treaty, is in the national interest of the United States.

Furthermore, the conferees note that since entry-into-force of the treaty, the United States has decreased its deployed launchers by over 222 and its deployed warheads by 407. During this period, the Russian Federation increased its launcher count to the limit permitted by the treaty. The conferees are concerned that the Russian Federation may maintain the capability to rapidly exceed the levels laid out by New START once the February 2018 implementation date is reached. The conferees also note that the treaty places no limits on non-strategic nuclear weapons, which may be an area of enduring Russian advantage.

Finally, the conferees remind the President of the commitment made by his predecessor, President Obama: “I recognize that nuclear modernization requires investment for the long-term.... That is my commitment to the Congress—that my administration will pursue these programs and capabilities for as long as I am President.” This commitment was explicitly laid out in the certification that President Obama made to the U.S. Senate on February 2, 2011, as a condition of the treaty's entry-into-force, to modernize U.S. nuclear forces, including “a heavy bomber and air-launched cruise missile, an ICBM, and a nuclear-powered ballistic missile submarine (SSBN) and SLBM,” as well as facilities of the National Nuclear Security Administration where uranium and plutonium are processed. The conferees are also aware that, because the Budget Control Act of 2011 (Public Law 112-25) capped overall base national security spending, the repeated statements by the Nation’s most senior civilian and military leaders regarding the priority attached to the nuclear deterrent mission are critical. For example, Secretary of Defense Chuck Hagel stated in his November 2014, Message to the Force: “Our nuclear deterrent plays a critical role in assuring U.S. national security, and it is DoD's highest priority mission. No other capability we have is more important.” Further, Secretary of Defense Ash Carter stated at the Air Force Association conference in September 2015: “The
nuclear deterrent is a must-have, you really need to start there. ... It is the foundation. It’s the bedrock and it needs to remain healthy and we all know that we need to make additional investments.”

The conferees urge the President to continue to fund and execute nuclear weapons modernization programs in a timely and cost-effective manner.

Short title

The House bill contained a provision (sec. 1251) that would provide a short title for subtitle F of the House bill. The Senate amendment contained no similar provision. The House recedes.

Sense of Congress on the importance of the North Atlantic Treaty Organization Intelligence Fusion Center

The Senate amendment contained a provision (sec. 1251) that would express the sense of Congress that the collocation of the North Atlantic Treaty Organization (NATO) Intelligence Fusion Center with U.S. European Command's Joint Intelligence Analysis Complex provides the optimal solution to intelligence and operational requirements, fosters critical diplomatic relationships, and is the most efficient configuration of the intelligence enterprise.

The House bill contained no similar provision. The Senate recedes.

Findings and sense of Congress

The House bill contained a provision (sec. 1252) that would make findings and express the sense of Congress on the current security environment in Europe, Russia’s aggressive and destabilizing behavior, the European Deterrence Initiative, and U.S. support for allies and partners in Europe.

The Senate amendment contained no similar provision. The House recedes.

The conferees note that issues concerning the current security environment in Europe, Russia’s aggressive and destabilizing behavior, the European Deterrence Initiative, and U.S. support for allies and partners in Europe are addressed elsewhere in this report.

Strategy to increase conventional precision strike weapon stockpiles in the United States European Command's areas of responsibility
The House bill contained a provision (sec. 1254) that would require the Secretary of Defense, in coordination with the Secretary of State, to develop and implement a strategy to increase conventional precision strike weapon stockpiles in the United States European Command’s area of responsibility. The Senate amendment contained no similar provision. The House recedes. The conferees note that conventional precision strike weapon stockpiles in the United States European Command’s area of responsibility are addressed elsewhere in this report.

Plan to counter the military capabilities of the Russian Federation

The House bill contained a provision (sec. 1255) that would require the Secretary of Defense to develop and implement a strategy to counter the military capabilities of the Russian Federation.

The Senate amendment contained no similar provision. The House recedes. The conferees note that the military capabilities of the Russian Federation are addressed elsewhere in this report.

Sense of Congress on enhancing maritime capabilities

The House bill contained a provision (sec. 1257) that would express the sense of Congress on enhancing maritime capabilities.

The Senate amendment contained no similar provision. The House recedes. The conferees direct the Secretary of the Navy to submit a report to the congressional defense committees not later than April 1, 2018 on the options to extend the service lives of Los Angeles-class submarines to mitigate the shortfall of fast attack submarines, which reaches a nadir of 41 boats in fiscal year 2029, despite a 2016 Navy Force Structure Assessment requirement for 66 boats. For the 2020 to 2040 timeframe, this report shall include the following: (1) threat environments in which Los Angeles-class submarines are projected to remain operationally relevant; (2) specific Los Angeles-class submarines that could receive service life extensions; (3) notional cost and schedule estimates for Los Angeles-class submarine service life extensions; (4) public or private shipyard availability to accomplish such service life extensions; and (5) an assessment by the Secretary on the merits of implementing such options.
Plan to reduce the risks of miscalculation and unintended consequences that could precipitate a nuclear war

The House bill contained a provision (sec. 1258) that would require the Secretary of Defense to submit a plan to the congressional defense committees that includes options to reduce the risk of miscalculation and unintended consequences associated with Russian nuclear doctrine.

The Senate amendment contained no similar provision.

The House recedes.

The conferees remain concerned that the Russian Federation has adopted a dangerous nuclear strategy that includes the plan to escalate or de-escalate, which could lower the threshold for Russian use of nuclear weapons in a regional conflict. Such a strategy could exacerbate the risks of miscalculation and unintended consequences that could precipitate a full-scale nuclear war. Therefore, the conferees direct the Secretary of Defense, in coordination with the Chairman of the Joint Chiefs of Staff, the Commander of the United States Strategic Command, and the Commander of the United States European Command, to submit to the congressional defense committees not later than March 1, 2018, a plan that includes options, including but not limited to military-to-military dialogue, to reduce the risk of miscalculation and unintended consequences that could inadvertently lead to a nuclear war. More generally, the conferees believe that military-to-military communication with adversaries can be a valuable tool to prevent inadvertent escalation and miscalculation during a crisis. The conferees encourage the Secretary to use such dialogue, among other tools, to reduce the risks of nuclear conflict with the Russian Federation, the People’s Republic of China, and the Democratic People’s Republic of Korea. The conferees note the section in title 12 of this Act that extends the prohibition on military-to-military cooperation with the Russian Federation but do not construe military-to-military discussions on reducing the risks of miscalculations that could lead to a nuclear war as such prohibited cooperation.

Definitions

The House bill contained a provision (sec. 1259) that would provide definitions for subtitle F of the House bill.

The Senate amendment contained no similar provision.

The House recedes.

Expansion of military-to-military engagement with the Government of Burma
The Senate amendment contained a provision (sec. 1262) that would amend section 1253 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) to remove certain restrictions on military-to-military engagement with Burma.

The Senate amendment also contained a provision (sec. 6217) that would remove force and effect from section 1262.

The Senate recedes.

The conferees condemn the horrific acts of violence being committed against the Rohingya ethnic minority in Burma, and urge the Burmese military to take action immediately to stop this humanitarian crisis.

Sense of Congress on the importance of the rule of law in the South China Sea

The Senate amendment contained a provision (sec. 1266) that would express the sense of Congress on the importance of maintaining the rule of law in the South China Sea.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that:

(1) the South China Sea is a vitally important waterway for global commerce and for regional security, with almost 30 percent of the maritime trade of the world transiting the South China Sea annually;

(2) the People's Republic of China is undermining regional security and prosperity and challenging international rules and norms by engaging in coercive activities and attempting to limit lawful activities in the South China Sea;

(3) a tribunal determined `that China had violated the Philippines' sovereign rights in its exclusive economic zone by (a) interfering with Philippine fishing and petroleum exploration, (b) constructing artificial islands and (c) failing to prevent Chinese fishermen from fishing in the zone,' and that `Chinese law enforcement vessels had unlawfully created a serious risk of collision when they physically obstructed Philippine vessels';

(4) the arbitral tribunal award of July 2016 stated that there is `no legal basis for China to claim historic rights to resources within the sea areas falling within the nine-dash line'; and

(5) the United States should play a vital role in ensuring freedom of navigation and overflight for all countries by undertaking freedom of navigation operations on a regular and consistent basis, as well as maintaining persistent presence operations in the South China Sea.
The House bill contained a provision (sec. 1267) that would express the sense of Congress that the United States should regularly and routinely conduct freedom of navigation operations in the South China Sea.

The Senate amendment contained a similar provision (sec. 1265) that would declare that it is the policy of the United States to fly, sail, and operate throughout the oceans, seas, and airspace of the world wherever international law allows. The recommended provision would also direct the Secretary of Defense to implement the stated policy by planning and executing routine and regular naval presence missions and freedom of navigation operations throughout the world and throughout the year.

The House recedes.

The Senate recedes.

The conferees note that the United States has a national interest in maintaining freedom of navigation, respect for international law, and unimpeded lawful commerce in the South China Sea; and that ensuring the free access to sea lanes to promote global commerce remains a core security interest of the United States. The conferees also note that the consistent exercise of freedom of navigation operations and overflights by United States naval and air forces throughout the world plays a critical role in safeguarding the freedom of the seas, supporting international law, and ensuring the continued safe passage and promotion of global commerce and trade.

The House bill contained a provision (sec. 1269) that would provide the sense of Congress in support of the Association of Southeast Asian Nations (ASEAN) on the 50th anniversary of its formation. It would recognize ASEAN efforts to promote peace, stability and prosperity in the region, including the steps taken to highlight the importance of peaceful dispute resolution and the need for adherence to international rules and standards. Finally, the section would state that ASEAN and the ASEAN Defense Ministers Meeting Plus should continue to be forums to discuss shared challenges in the maritime domain and for greater information sharing.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that:

(1) the United States supports the development of regional institutions and bodies, including the ASEAN Regional Forum, the
ASEAN Defense Ministers Meeting Plus, the East Asia Summit, and the expanded ASEAN Maritime Forum, to increase regional cooperation and ensure that disputes are managed without intimidation, coercion, or force;

(2) the United States recognizes ASEAN efforts to promote peace, stability, and prosperity in the region, including the steps taken to highlight the importance of peaceful dispute resolution and the need for adherence to international rules and standards.

(3) United States defense engagement with ASEAN and the ASEAN Defense Ministers Meeting Plus should continue to be forums to discuss shared challenges and the need for greater information sharing among ASEAN nations; and

(4) the United States welcomes continued work with ASEAN and other regional partners to establish more reliable and routine crisis communication mechanisms.

Sense of Congress on reaffirming the importance of the United States–Australia defense alliance

The House bill contained a provision (sec. 1270) that would provide the sense of Congress on the strength of United States–Australia relations. It recognizes that the United States and the Commonwealth of Australia maintain a critical strategic relationship underpinned by shared democratic values, common interests, and close defense ties.

The Senate amendment contained no similar provision.

The conferees note that:

(1) the United States values its alliance with Australia, and the shared values and interests between both countries are essential to promoting peace, security, stability, and economic prosperity in the Indo-Asia-Pacific region;

(2) the annual rotations of United States Marine Corps forces to Darwin, Australia and enhanced rotations of United States Air Force aircraft to Australia pave the way for even closer defense and security cooperation;

(3) the Treaty Between the Government of the United States of America and the Government of Australia Concerning Defense Trade Cooperation, done at Sydney, September 5, 2007, should continue to facilitate industry collaboration and innovation to meet shared security challenges and reinforce military ties;

(4) as described by Australian Prime Minister Malcolm Turnbull, North Korea is "a threat to the peace of the region" and the United States and Australia should continue to cooperate to defend against the threat of North Korea's nuclear and missile capabilities; and
(5) the United States and Australia should continue to address the threat of terrorism and strengthen information sharing.

NATO Cooperative Cyber Defense Center of Excellence

The House bill contained a provision (sec. 1271) that would authorize up to $5.0 million for fiscal year 2018 for the purposes of establishing the NATO Cooperative Cyber Center of Excellence, and would direct the Secretary of Defense to assign executive agent responsibilities to an appropriate organization within the Department of Defense.

The Senate amendment contained no similar provision. The House recedes.

The conferees strongly support the efforts of the NATO Cooperative Cyber Defense Center of Excellence (CCDCOE) and encourage the Department of Defense to collaborate fully with the Center. The conferees note that the CCDCOE can play a unique role by increasing and improving cyber cooperation, joint exercises, and policy development within NATO. The conferees urge the Department of Defense to work with the interagency and the CCDCOE to improve NATO’s ability to counter and mitigate the threat of malign influence by the Russian Federation in cyberspace. Therefore, the conferees direct the Secretary of Defense to brief the defense committees within 90-days of enactment of this Act on ways to improve cyber capabilities within NATO, including enhancing the capacity of and coordination with the CCDCOE.

NATO Strategic Communications Center of Excellence

The House bill contained a provision (sec. 1272) that would authorize up to $5.0 million for fiscal year 2018 for the purposes of establishing the NATO Strategic Communications Center of Excellence, and would direct the Secretary of Defense to assign executive agent responsibilities to an appropriate organization within the Department of Defense.

The Senate amendment contained no similar provision. The House recedes.

The conferees strongly support the efforts of the NATO Strategic Communications Center of Excellence (SCCOC), but remain concerned that the United States is currently not a participating country. By not actively participating, the Department of Defense is unable to shape the long-term agenda for research, exercises, and policy development, and is unable to embed personnel to gain experience or insight that can only be acquired by working side-by-side. The conferees note that the
SCCOE can play a unique role by increasing cooperation for strategic communications within NATO, and provide research that directly addresses the many problems facing U.S. forces operating in the information environment. The conferees urge the Department of Defense to work with the SSCOE and the interagency to improve NATO’s ability to counter and mitigate disinformation, active measures, propaganda, and denial and deception activities of the Russian Federation. Therefore, the conferees direct the Secretary of Defense to brief the defense committees within 90-days of enactment of this Act on ways to improve strategic communications within NATO, including enhancing the capacity of and coordination with the NATO Strategic Communications Center of Excellence.

Report by Defense Intelligence Agency on certain military capabilities of China and Russia

The House bill contained a provision (sec. 1282) that would require the Director of the Defense Intelligence Agency to submit a report to the Secretary of Defense and appropriate congressional committees on the military capabilities of the People’s Republic of China and the Russian Federation.

The Senate amendment contained no similar provision.

The House recedes.

Sense of Congress on the North Atlantic Treaty Organization

The House bill contained a provision (sec. 1283) that would express the sense of Congress that the North Atlantic Treaty Organization (NATO) remains the cornerstone of transatlantic security cooperation and an enduring instrument for promoting stability in Europe.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the role of NATO and support for U.S. allies and partners in Europe are addressed elsewhere in this report.

Sense of Congress on the export of defense articles to Turkey

The House bill contained a provision (sec. 1284) that would express the sense of Congress that the proposed sale of semiautomatic handguns for export to Turkey should remain under scrutiny until a satisfactory and appropriate resolution is reached to the violence that took place outside the Turkish Ambassador’s residence on May 16, 2017.

The Senate amendment contained no similar provision.
The House recedes.
The conferees condemn the violence that took place outside the Turkish Ambassador’s residence on May 16, 2017 and believe the perpetrators should be brought to justice under United States law. The conferees note that violence of this kind negatively impacts security cooperation between the United States and Turkey.

Sense of Congress on reaffirming strategic partnerships and allies

The Senate amendment contained a provision (sec. 1284) that would express the sense of Congress that United States allies and partners are critical to defending peace and prosperity throughout the world.
The House bill contained no similar provision.
The Senate recedes.
The conferees note that support for U.S. allies and partners in Europe is addressed elsewhere in this report.

Sense of Congress on consideration of impact of marine debris in trade agreements

The Senate amendment contained a provision (sec. 1285) that would express the sense of Congress on consideration of the impact of marine debris in trade agreements.
The House bill contained no similar provision.
The Senate recedes.
The conferees encourage the United States Trade Representative to consider the impact of marine debris, particularly plastic waste, in relevant trade agreements.

Sense of Congress regarding the Chibok schoolgirls and Boko Haram

The House bill contained a provision (sec. 1286) that would commend the Secretary of State, Secretary of Defense, and Director of National Intelligence for delivering a report to Congress on a five-year strategy for the United States to employ diplomatic, development, defense, and other tools to assist and enable our African partners to lead the effort to degrade and ultimately defeat Boko Haram, the Islamic State in Iraq and ash Sham - West Africa (ISIS-WA), and any potential splinter or successor groups.
The Senate amendment contained no similar provision.
The House recedes.
The conferees note that elsewhere in this Act is a provision that would require the President to submit a comprehensive strategy to support improvements in defense institutions and security sector forces in Nigeria to more effectively address the threat posed by Boko Haram and other security challenges in the region.

**Report on Iran and North Korea nuclear and ballistic missile cooperation**

The House bill contained a provision (sec. 1288) that would require the President, in coordination with the Secretary of Defense, the Secretary of State, and the heads of other relevant agencies, to submit to the appropriate congressional committees a report on cooperation between the Government of Iran and the Government of the Democratic People’s Republic of Korea on nuclear programs, ballistic missile development, and the development of conventional, chemical, and biological weapons. The provision would furthermore express the sense of Congress that the ballistic missile programs of Iran and North Korea represent a serious threat to the interests of the United States.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that a provision elsewhere in this Act would amend the annual report on the military power of Iran as required by section 1245 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111-84) to require additional information on cooperation between Iran, North Korea, and other nations on any nuclear, ballistic missile, biological and chemical, and advanced conventional weapons programs.

**Contingency plans relating to South Sudan**

The House bill contained a provision (sec. 1290) that would require the Secretary of Defense to prepare contingency plans to assist relief organizations in delivery of humanitarian assistance in South Sudan and to engage South Sudan’s military to promote efforts to reduce conflicts.

The Senate amendment contained no similar provision.

The House recedes.

**Sense of Congress on the Western Hemisphere region**

The House bill contained a provision (sec. 1294) expressing the sense of Congress on the importance of the
Western Hemisphere region to the national interests of the United States.

The Senate amendment contained no similar provision. The House recedes.

The conferees recognize that the security, stability, and prosperity of the Western Hemisphere region to the national interests of the United States. The conferees also note that it is vital for the United States to maintain the military capability in the region to project power, build partner capacity, deter acts of aggression, and respond, if necessary, to international threats, regional crises, transnational criminal and terrorist organizations, and humanitarian crises. The conferees encourage the Secretary of Defense and Secretary of State to leverage opportunities as appropriate to commit assets to the region to ensure a forward presence in the Western Hemisphere outside of the continental United States; strengthen alliances, partnerships, and regional institutions to address the shared challenges of the trafficking of humans, drugs, and other contraband; promote the rule of law and human rights; and support interagency efforts to protect the homeland.

Sense of Congress relating to increases in defense capabilities of United States allies

The House bill contained a provision (sec. 1295) that would express the sense of Congress that the President should encourage members of the North Atlantic Treaty Organization (NATO) to fulfill their commitments to levels and composition of defense expenditures as agreed upon at the NATO 2014 Wales Summit and NATO 2016 Warsaw Summit.

The Senate amendment contained no similar provision. The House recedes.

The conferees note that the role of NATO and support for U.S. allies and partners in Europe are addressed elsewhere in this report.

Prohibition on use of funds to conduct military operations in Yemen

The House bill included a provision (sec. 1298) that would prohibit the funds authorized to be appropriated for the Department of Defense for fiscal year 2018 to be available to conduct military operations in Yemen, with the exception of operations carried out in full compliance with the Authorization for Use of Military Force (Public Law 107-40), the provision of
humanitarian assistance, the defense of United States Armed Forces, and support for freedom of navigation operations.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the United States military should have flexibility to respond to the range of threats emanating from Yemen but should continue to refrain from entering into the Yemeni civil war as a co-belligerent. The conferees note with concern the severe humanitarian impact of the civil war in Yemen upon its citizens and call on all sides to work toward a sustainable political solution.

Annual report on attempts of the Russian Federation to provide disinformation and propaganda to members of the Armed Forces by social media

The Senate amendment contained a provision (sec. 6212) that would require the Secretary of Defense to submit a report to the congressional defense committees a report on attempts of the Russian Federation to provide disinformation and propaganda to members of the Armed Forces by social media.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that attempts of the Russian Federation to provide disinformation and propaganda to members of the Armed Forces by social media are addressed elsewhere in this report.

Support of European Deterrence Initiative to deter Russian aggression

The Senate amendment contained a provision (sec. 6213) that would express the sense of Congress that the United States should demonstrate its resolve and ability to meet its commitments under Article 5 of the North Atlantic Treaty through appropriate military exercises with an emphasis on participation of United States forces based in the continental United States and testing strategic and operational logistics and transportation capabilities. The provision would also require the Secretary of Defense to submit to the congressional defense committees a report, which would include an analysis of the challenges to the ability of the United States to flow significant forces from the continental United States to the European theater in the event of a major contingency and a description of the Department of Defense’s plans, including military exercises to address such challenges.

The House bill contained no similar provision.

The Senate recedes.
The conferees note that challenges to the ability of the United States to flow significant forces from the continental United States to the European theater in the event of a major contingency are addressed elsewhere in this report.

**Sense of Congress on the European Deterrence Initiative**

The Senate amendment contained a provision (sec. 6214) that would express the sense of Congress that the European Deterrence Initiative will bolster efforts to deter further Russian aggression and that funds for this initiative should be authorized and appropriated in the base budget of the Department of Defense.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the European Deterrence Initiative and support for U.S. allies and partners in Europe are addressed elsewhere in this report.

**Enhancement of Ukraine Security Assistance Initiative**

The Senate amendment contained a provision (sec. 6215) that would amend section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (PL 114-92) to include additional categories of appropriate security assistance and intelligence support under the Ukraine Security Assistance Initiative.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that additional categories of appropriate security assistance and intelligence support under the Ukraine Security Assistance Initiative are addressed elsewhere in this report.

**Report on the capabilities and activities of the Islamic State of Iraq and Syria and other violent extremist groups in Southeast Asia**

The Senate amendment contained a provision (sec. 11204) that would require the Secretary of Defense to submit to the appropriate committees of Congress a report setting forth an assessment of the current and future capabilities and activities of the Islamic State of Iraq and Syria (ISIS) and other violent extremist groups in Southeast Asia, not later than 180 days after the date of enactment of this Act.

The House bill contained no similar provision.

The Senate recedes.
Sense of Congress on the Islamic State of Iraq and Syria

The Senate amendment contained a provision in Division F (sec. 11205) that would express the sense of Congress that the Islamic State of Iraq and Syria (ISIS) poses an acute threat to the people and Government of Iraq.

The House contained no similar provision.

The Senate recedes.

The conferees note that language elsewhere in the conference report accompanying this Act expresses the concerns specific to this provision regarding the continued threat posed by ISIS.

TITLE XIII—COOPERATIVE THREAT REDUCTION

Specification of Cooperative Threat Reduction funds (sec. 1301)

The House bill contained a provision (sec. 1301) that would specify that funds authorized to be appropriated to the Department of Defense for the Cooperative Threat Reduction Program established under the Department of Defense Cooperative Threat Reduction Act (50 U.S.C. 3711) would be available for obligation in fiscal years 2018, 2019, and 2020.

The Senate amendment contained an identical provision (sec. 1301).

The conference agreement includes this provision.

Funding allocations (sec. 1302)

The House bill contained a provision (sec. 1302) that would allocate specific funding amounts for each program under the Department of Defense Cooperative Threat Reduction (CTR) Program from within the overall $324.6 million that the Congress would authorize for the CTR Program. The allocation under this provision reflects the amount of the budget request for fiscal year 2018.

The Senate amendment contained a similar provision. (sec. 1302).

The Senate recedes.

TITLE XIV—OTHER AUTHORIZATIONS

SUBTITLE A—MILITARY PROGRAMS

Working Capital Funds (sec. 1401)
The House bill contained a provision (sec. 1401) that would authorize appropriations for Defense Working Capital Funds at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained an identical provision (sec. 1401).

The conference agreement includes this provision.

**Chemical agents and munitions destruction, Defense (sec. 1402)**

The House bill contained a provision (sec. 1402) that would authorize appropriations for Chemical Agents and Munitions Destruction, Defense at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained an identical provision (sec. 1402).

The conference agreement includes this provision.

**Drug interdiction and counter-drug activities Defense-wide (sec. 1403)**

The House bill contained a provision (sec. 1403) that would authorize appropriations for Drug Interdiction and Counter-Drug Activities, Defense-Wide at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained an identical provision (sec. 1403).

The conference agreement includes this provision.

**Defense Inspector General (sec. 1404)**

The House bill contained a provision (sec. 1404) that would authorize appropriations for the Office of the Inspector General at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained an identical provision (sec. 1404).

The conference agreement includes this provision.

**Defense Health Program (sec. 1405)**

The House bill contained a provision (sec. 1405) that would authorize appropriations for the Defense Health Program at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained an identical provision (sec. 1405).

The conference agreement includes this provision.
The House bill contained a provision (sec. 1406) that would authorize appropriations for the National Defense Sealift Fund. The Senate amendment contained no similar provision. The Senate recedes.

**SUBTITLE B—OTHER MATTERS**

**Authority for transfer of funds to joint Department of Defense—Department of Veterans Affairs Medical Facility Demonstration Fund for Captain James A. Lovell Health Care Center, Illinois (sec. 1411)**

The House bill contained a provision (sec. 1411) that would authorize the Secretary of Defense to transfer $115.5 million from the Defense Health Program to the Joint Department of Defense—Department of Veterans Affairs Medical Facility Demonstration Fund, created by section 1704 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84) for the operations of the Captain James A. Lovell Federal Health Care Center. The Senate amendment contained an identical provision (sec. 1441). The conference agreement includes this provision.

**Authorization of appropriations for Armed Forces Retirement Home (sec. 1412)**

The House bill contained a provision (sec. 1412) that would authorize an appropriation of $64.3 million from the Armed Forces Retirement Home Trust Fund for fiscal year 2018 for the operation of the Armed Forces Retirement Home. The Senate amendment contained an identical provision (sec. 1431). The conference agreement includes this provision.

**Armed Forces Retirement Home matters (sec. 1413)**

The Senate amendment contained a provision (sec. 1432) that would amend sections 1513A, 1517(e)(2), and 1518 of the Armed Forces Retirement Home (AFRH) Act of 1991 (24 U.S.C. 413a, 417(e)(2), and 418 respectively) to transfer oversight responsibilities of the AFRH from the Undersecretary of Defense for Personnel and Readiness to the Secretary of Defense.
Additionally, the provision would amend section 1516 of such Act (24 U.S.C. 416) to provide the Department more flexibility in selecting members of the Advisory Council of the AFRH. Finally, the provision would amend section 1517(b) of such Act (24 U.S.C. 417(b)) to clarify that the administrator of the AFRH serves at the pleasure of the Secretary of Defense.

The House bill contained no similar provision.

The House recedes.

Authority to dispose of certain materials from and to acquire additional materials for the National Defense Stockpile (sec. 1414)

The Senate amendment contained a provision (sec. 1411) that would authorize the National Defense Stockpile Manager to dispose of up to $9.0 million of excess materials in order to acquire two new materials and rare earth elements that have been identified by the Department of Defense as essential to meet military requirements.

The House bill contained no similar provision.

The House recedes.

Acquisition reporting on major chemical demilitarization programs of the Department of Defense (sec. 1415)

The Senate amendment contained a provision (sec. 1421) that would require the Department of Defense’s major chemical demilitarization programs to report separately under the Acquisition Category 1 (ACAT 1) system in order to enhance transparency.

The House bill contained no similar provision.

The House recedes.

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

Purpose and treatment of certain authorizations of appropriations (sec. 1501)

The House bill contained a provision (sec. 1501) that would establish the purpose of this title and make authorization
of appropriations available upon enactment of this Act for the Department of Defense, in addition to amounts otherwise authorized in this Act, to provide for additional costs due to Overseas Contingency Operations and other additional funding requirements.

The Senate amendment contained a similar provision (sec. 1501).

The Senate recedes with an amendment to strike references to funding tables in sections 4103, 4203, 4303, and 4403.

Overseas contingency operations (sec. 1502)

The Senate amendment contained a provision (sec. 1502) that would designate authorization of appropriations in this section as overseas contingency operations as directed in section 251(b)(2)(A)(ii) of the Balanced Budget and Emergency Deficit Control Act of 1985.

The House bill contained no similar provision.

The House recedes.

Procurement (sec. 1503)

The House bill contained a provision (sec. 1502) that would authorize additional appropriations for procurement at the levels identified in section 4102 and 4103 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1503) that would authorize additional appropriations for procurement at the levels identified in section 4102 of division D of this Act.

The House recedes.

Research, development, test, and evaluation (sec. 1504)

The House bill contained a provision (sec. 1503) that would authorize additional appropriations for research, development, test, and evaluation at the levels identified in section 4202 and 4203 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1504) that would authorize additional appropriations for research, development, test, and evaluation at the levels identified in section 4202 of division D of this Act.

The House recedes.

Operation and maintenance (sec. 1505)
The House bill contained a provision (sec. 1504) that would authorize additional appropriations for operation and maintenance at the levels identified in section 4302 and 4303 of division D of this Act. The Senate amendment contained a similar provision (sec. 1505) that would authorize additional appropriations for operation and maintenance at the levels identified in section 4302 of division D of this Act. The House recedes.

Military personnel (sec. 1506)

The House bill contained a provision (sec. 1505) that would authorize additional appropriations for military personnel at the levels identified in section 4402 and 4403 of division D of this Act. The Senate amendment contained a similar provision (sec. 1506) that would authorize additional appropriations for military personnel at the levels identified in section 4402 of division D of this Act. The House recedes.

Working capital funds (sec. 1507)

The House bill contained a provision (sec. 1506) that would authorize additional appropriations for Defense Working Capital Funds at the levels identified in section 4502 of division D of this Act. The Senate amendment contained an identical provision (sec. 1507). The conference agreement includes this provision.

Drug Interdiction and Counter-Drug Activities, Defense-wide (sec. 1508)

The House bill contained a provision (sec. 1507) that would authorize the additional appropriations for the Drug Interdiction and Counter-Drug Activities, Defense-wide at the levels identified in section 4502 of division D of this Act. The Senate amendment contained an identical provision (sec. 1508). The conference agreement includes this provision.

Defense Inspector General (sec. 1509)

The House bill contained a provision (sec. 1508) that would authorize additional appropriations for the Office of the
Inspector General at the levels identified in section 4502 of division D of this Act.

The Senate amendment contained an identical provision (sec. 1509).

The conference agreement includes this provision.

Defense Health Program (sec. 1510)

The House bill contained a provision (sec. 1509) that would authorize additional appropriations for the Defense Health Program at the levels identified in section 4502 of division D of this Act.

The Senate amendment contained an identical provision (sec. 1510).

The conference agreement includes this provision.

**SUBTITLE B—FINANCIAL MATTERS**

Treatment as additional authorizations (sec. 1511)

The House bill contained a provision (sec. 1511) that would state that amounts authorized to be appropriated by this title are in addition to amounts otherwise authorized to be appropriated by this Act.

The Senate amendment contained an identical provision (sec. 1521).

The conference agreement includes this provision.

Special transfer authority (sec. 1512)

The House bill contained a provision (sec. 1512) that authorize the transfer of up to $2.5 billion of additional war-related funding authorizations in this title among the accounts in this title.

The Senate amendment contained a similar provision (sec. 1522) that would authorize the transfer of up to $3.5 billion.

The House recedes with an amendment that would authorize the transfer of up to $2.5 billion.

**SUBTITLE C—LIMITATIONS, REPORTS, AND OTHER MATTERS**

Afghanistan Security Forces Fund (sec. 1521)
The Senate amendment contained a provision (sec. 1531) that would require that amounts authorized for the Afghanistan Security Forces Fund (ASFF) for fiscal year 2018 continue to be subject to the conditions specified in subsections (b) through (g) of section 1513 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181), as amended. The provision would extend the authority under subsection 1532(b) of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) to accept certain equipment procured using the ASFF and to treat such equipment as Department of Defense stocks. The provision would also extend the goal of using $25.0 million to support, to the extent practicable, the efforts of the Government of Afghanistan to promote the recruitment, training, and integration of Afghan women into the Afghan National Defense and Security Forces and as security personnel for future elections. The provision would also require that products published or issued by an inspector general relating to the oversight of the ASFF be prepared in accordance with certain quality standards.

The House bill contained a similar provision (sec. 1521).

The House recedes with an amendment that would establish a goal of using $41.0 million to support the efforts of the Government of Afghanistan to promote the recruitment, training, and integration of Afghan women into the Afghan National Defense and Security Forces. The amendment would also require an assessment of Afghan progress toward meeting shared security objectives and would allow the Secretary of Defense, in coordination with the Secretary of State, to withhold assistance for the Afghan National Defense and Security Forces if the determination is made that progress has been insufficient.

Joint Improvised-Threat Defeat Fund (sec. 1522)

The House bill contained a provision (sec. 1522) that would amend subsections (b) and (c) of section 1514 of the John Warner National Defense Authorization Act for Fiscal Year 2009 (Public Law 109-364) to extend the use and transfer authority for the Joint Improvised-Threat Defeat Fund through fiscal year 2018. This section would also extend the authority for interdiction of improvised explosive device precursor chemicals to December 31, 2018.

The Senate amendment contained no similar provision.

The Senate recedes.

Comptroller General report on feasibility of separation of expenditures (sec. 1523)
The House bill contained a provision (sec. 1523) that would require the Director of Office of Management and Budget and the Secretary of Defense to establish separate accounts for the expenditure of overseas contingency operations.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Comptroller General to submit a report on the feasibility of separating expenditures of amounts appropriated for overseas contingency operations for the Department of Defense and Department of Treasury.

Guidelines for budget items to be covered by overseas contingency operations accounts (sec. 1524)

The House bill contained a provision (sec. 1524) that would require the Secretary of Defense update the guidelines regarding the budget items that may be covered by overseas contingency operations accounts consistent with recommendations included in a GAO report entitled “Overseas Contingency Operations: OMB and DOD Should Revise the Criteria for Determining Eligible Costs and Identify the Costs Likely to Endure Long Term.”

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would extend the deadline to 270 days from 180 days and strikes the reference to the above GAO report.

LEGISLATIVE PROVISIONS NOT ADOPTED

Enhancement of database of emergency response capabilities of the Department of Defense

The Senate amendment contained a provision (sec. 1442) that would amend section 1406 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109-364; 120 Stat. 2436; 10 U.S.C. 113 note) to enhance the database of emergency response capabilities of the Department of Defense by adding the requirement to track the cyber capabilities of the National Guard and Reserve in the requirement to capture emergency response capabilities that the Department of Defense may be able to provide in support of the National Response Plan's Emergency Support Function. The Department of Defense would also be required to establish, maintain, and keep current the database at least once every 2 years.

The House bill contained no similar provision.

The Senate recedes.
The conferees are aware the Department has worked with its Federal and State partners to identify and document defense capabilities that may be needed in domestic emergencies. However, the conferees believe it is imperative for the Department to have comprehensive visibility on the cyber talent and cyber capabilities available in both the Active and Reserve Components in order to further develop and resource such capability needs for domestic response and other mission areas.

The conferees note the Department of the Army’s talent management programs, including the Cyber Warrior Database (CWARD). CWARD is intended to capture relevant expertise, knowledge, skills, and abilities within the Army Cyber community in order to enable effective mission planning and human resource management. The conferees support this effort and encourage widespread adoption of common cyber talent and capability management tools among the service components.

The conferees direct the Secretary of Defense to brief the congressional defense committees, not later than 60 days after enactment of this act, on the process used to track Department of Defense capabilities applicable to domestic emergency response. The briefing shall include information determining if and how those current processes can be expanded to include tracking cyber capabilities for the Active and Reserve Component, and if those processes can be dynamically updated and used to inform the development of operational plans and concepts of operations.

**TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS**

**SUBTITLE A—SPACE ACTIVITIES**

*Space acquisition and management and oversight (sec. 1601)*

The House bill contained a provision (sec. 1601) that would authorize the creation of a Space Corps within the Department of the Air Force and require the Secretary of the Air Force to certify its establishment by January 1, 2019. The Senate amendment contained a provision (sec. 1601) that would require the Commander of Air Force Space Command serve a term of at least 6 years.

The Senate amendment contained another provision (sec. 6605) that would prohibit the establishment of any military department or corps separate from the current military departments, including a Space Corps.
The Senate recedes with an amendment that would establish the term of office of the Commander of Air Force Space Command at 6 years. The amendment would provide the Commander with the authority to (1) organize, train, and equip personnel and operations of the space forces of the Air Force; (2) serve as the acquisition executive for defense space acquisitions; and (3) procure commercial satellite communications for the Department of Defense beginning 1 year after the date of enactment of this Act. The conferees note that the Commander of Air Force Space Command would be expected to work with the Secretary of the Air Force regarding the use of existing basic personnel functions, including health care and recruitment of personnel.

The amendment would terminate the position and the office of the Principal Department of Defense Space Advisor and would transfer the duties, responsibilities, and personnel of such office to a single official selected by the Deputy Secretary of Defense. The amendment would terminate the Defense Space Council and disestablish the Air Force Space Operations Directorate (A-11). The amendment would also re-designate the Operationally Responsive Space Office as the Space Rapid Capabilities Office.

The conferees appreciate the Deputy Secretary’s engagement on the space mission and organization within the Department and expect such engagement to continue particularly during this transition. The conferees will hold the Deputy Secretary accountable for ensuring that the reorganization of space within the Department, funding for space capabilities, and focus on the space mission continue as one of his priorities. The conferees note in particular that the Deputy Secretary will make the decision on which organization or agency within the Department will be responsible for Major Force Program 12 and expect the Deputy Secretary to continue close consultations with the Armed Services Committees of the Senate and the House of Representatives to keep them apprised of progress on these issues and to seek their input.

The conferees note with disappointment the consistent failure to ensure synchronization across space systems, ground stations, and terminals. To address this problem, the conferees recommend two improvements to the requirements and acquisition processes for national security space programs. First, the conferees note the importance of the Joint Requirements Oversight Council in reviewing, assessing, adjudicating, and advocating for joint space requirements across the national security space enterprise. The conferees believe that establishing a Functional Capability Board for space will help to improve the advocacy for joint space requirements, specifically with regard to synchronization of space systems,
ground stations, and terminals. Second, the conferees recommend that United States Strategic Command be given the responsibility and authority to approve any budget request for service terminals prior to Milestone A approval. The conferees expect the Deputy Secretary of Defense to issue a directive implementing this change not later than March 1, 2018.

The conferees note that space has been designated as a warfighting domain. Recognizing the joint nature of this new domain, the conferees believe that United States Strategic Command should develop a concept of operations (CONOPs) on how to conduct warfighting in space. That CONOPs should be used to guide the Services’ space capabilities development and acquisition programs. The conferees expect such CONOPs to be provided to them not later than 180 days after the date of the enactment of this Act.

Codification, extension, and modification of limitation on construction on United States territory of satellite positioning ground monitoring stations of foreign governments (sec. 1602)

The House bill contained a provision (sec. 1611) that would amend chapter 135 of title 10, United States Code, by adding a new section, 2279c. Subsection (b) of section 1602 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66), which is a limitation on construction on United States territory of satellite positioning ground monitoring stations of certain foreign governments, would be transferred to section 2279c of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes.

Foreign commercial satellite services: cybersecurity threats and launches (sec. 1603)

The House bill contained a provision (sec. 1612) that would prohibit the Secretary of Defense from entering into a contract for satellite services with any entity if such services will be provided using satellites launched from a covered foreign country or using a launch vehicle that is designed or manufactured in a covered foreign country or that is provided by the government of a covered foreign country or by an entity controlled in whole or in part by, or acting on behalf of, the government of a covered foreign country, regardless of the location of the launch.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would add an exception for satellites launched prior to December 31, 2022.
Extension of pilot program on commercial weather data (sec. 1604)

The House bill contained a provision (sec. 1613) that would amend section 1613 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) by extending the pilot program on commercial weather data by 1 year. This provision would also add the congressional intelligence committees to the existing reporting requirements.

The Senate amendment contained no similar provision.

The Senate recedes.

Evolved Expendable Launch Vehicle modernization and sustainment of assured access to space (sec. 1605)

The House bill contained a provision (sec. 1615) that would prohibit the Secretary of Defense from obligating or expending funds authorized by this Act or otherwise made available for fiscal year 2018 for research, development, test, and evaluation, Air Force, for the Evolved Expendable Launch Vehicle (EELV) program for any use other than the activities specified by this Act. This provision would not affect or prohibit the Secretary from procuring launch services of EELV launch systems.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would limit the obligation or expenditure of funds for carrying out the EELV program to: (a) the development of a domestic rocket propulsion system to replace non-allied space launch engines; (b) the development of the necessary interfaces to, or the integration of, such domestic rocket propulsion system with an existing or planned launch vehicle; or (c) the development of capabilities necessary to enable existing or planned commercially available space launch vehicles or infrastructure that are primarily for national security space missions to meet assured access to space requirements. The amendment would terminate the authority to develop a domestic rocket propulsion system and to develop the necessary interfaces of a domestic rocket propulsion system once the Secretary of the Air Force certifies to the congressional defense committees that a successful full-scale test of a domestic rocket engine has occurred.

Demonstration of backup and complementary positioning, navigation, and timing capabilities of Global Positioning System (sec. 1606)
The House bill contained a provision (sec. 1617) that would require, during fiscal year 2018, the Secretary of Defense, the Secretary of Transportation, and the Secretary of Homeland Security to jointly develop a plan for carrying out a backup capability demonstration for the Global Positioning System.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the costs to carry out the proposed plan be consistent with the responsibilities established in National Security Presidential Directive 39 titled “U.S. Space-Based Positioning, Navigation, and Timing Policy.”

**Enhancement of positioning, navigation, and timing capacity (sec. 1607)**

The House bill contained a provision (sec. 1618) that would require the Secretary of Defense to develop and implement a plan to increase resilience for the positioning, navigation, and timing capacity for the Department of Defense. This provision would require the plan to ensure that military Global Positioning System user equipment terminals have the capability to receive signals from the Galileo satellites of the European Union and the QZSS satellites of Japan, beginning with increment 2 of the acquisition of such terminals.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require that the plan include an assessment of the benefits and risks of military Global Positioning System user equipment terminals' having the capability to receive allied positioning, navigation, and timing signals, beginning with increment 2 of the acquisition of such terminals, and would require an evaluation of whether such a plan should be implemented.

**Commercial satellite communications pathfinder program (sec. 1608)**

The House bill contained a provision (sec. 1616) that would express the sense of Congress and require a report regarding the Air Force’s commercial satellite communications pathfinder program.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

**Launch support and infrastructure modernization (sec. 1609)**
The Senate amendment contained a provision (sec. 1606) that would direct the Secretary of Defense to carry out a program to modernize space launch infrastructure and improve space launch activities, to include processing and launch of national security space vehicles, in the Eastern and Western Test and Launch Ranges.

The House amendment contained no similar provision.

The House recedes with a technical amendment.

Limitation on availability of funding for Joint Space Operations Center mission system (sec. 1610)

The House bill contained a provision (sec. 1621) that would limit the funds authorized for fiscal year 2018 for the Joint Space Operations Center mission system until the Secretary of the Air Force develops and implements a plan to operationalize existing commercial space situational awareness capabilities.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that allows the Secretary of Defense to waive the implementation of the plan if the Secretary determines that existing commercial capabilities will not address national security requirements or existing space situational awareness capability gaps.

Limitation on use of funds for Delta IV launch vehicle (sec. 1611)

The Senate amendment contained a provision (sec. 1604) that would prohibit the Air Force from obligating funds to maintain infrastructure, system engineering, critical skills, base and range support, depreciation, or sustainment commodities for the Delta IV launch vehicle unless the Secretary of the Air Force certifies to the congressional defense committees that the Air Force plans to launch a satellite procured by the Air Force on a Delta IV launch vehicle within 3 years of that certification.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Air Force space contractor responsibility watch list (sec. 1612)

The Senate amendment contained a provision (sec. 1602) that would establish and maintain a contractor responsibility watch list (CRWL) for Air Force space programs. The CRWL would include contractors with histories of poor performance on space procurement or research, development, test, and evaluation
program contracts. The provision would authorize the Commander of Air Force Space and Missile Systems Center to place a contractor on the CRWL upon determining that the ability of the contractor to perform Air Force space contracts has been called into question by: (1) Poor performance or award fee scores below 50 percent; (2) Financial concerns; (3) Felony or civil judgments; or (4) Security or foreign ownership and control issues.

The House bill contained no similar provision.
The House recedes with a technical amendment.

Certification and briefing on operational and contingency plans for loss or degradation of space capabilities (sec. 1613)

The House bill contained a provision (sec. 1620) that would require the Secretary of Defense and the Chairman of the Joint Chiefs of Staff, in coordination with the commander of each combatant command, to assess the implications of a loss or degradation of U.S. space capabilities on operational and contingency plans. The Secretary and Chairman, in coordination with the combatant commanders, would then be required to submit a report of their assessment to the appropriate congressional committees within 180 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.
The Senate recedes with an amendment requiring the Secretary of Defense and the Chairman of the Joint Chiefs of Staff to certify that appropriate contingency plans exist to assess the implications for mission performance in the event of a loss or degradation of space capabilities of the U.S. and to provide a briefing to the appropriate congressional committees on the plan for mitigating such loss or degradation.

Report on protected satellite communications (sec. 1614)

The House bill contained a provision (sec. 1622) that would limit the funds authorized to be appropriated by this Act for fiscal year 2018 for research, development, test, and evaluation, Air Force, for protected tactical enterprise, protected tactical service, or protected satellite communication services for the Evolved Strategic Satellite Communications (SATCOM) system until several certifications, reports, and plans ensuring that a protected SATCOM system other than Advanced Extremely High Frequency will meet the relevant validated military requirements are submitted to the congressional defense committees.

The Senate amendment contained no similar provision.
The Senate recedes with an amendment that would remove the limitation on funding and consolidate the certification requirements.

**Sense of Congress on establishment of Space Flag training event (sec. 1615)**

The House bill contained a provision (sec. 1619) that would require the Secretary of Defense to establish, not later than December 31, 2020, an annual capstone training event titled “Space Flag” for space professionals to develop and test doctrine, concepts of operation, and tactics, techniques, and procedures.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make the provision a Sense of Congress.

**Sense of Congress on coordinating efforts to prepare for space weather events (sec. 1616)**

The House bill contained a provision (sec. 1623) that would mandate that the Secretary of Defense ensure the timely provision of operational space weather observations, analyses, forecasts, and other products to support the mission of the Department of Defense and coalition partners.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment expressing the sense of Congress on coordinating efforts to prepare for space weather events.

**Sense of Congress on National Space Defense Center (sec. 1617)**

The Senate amendment contained a provision (sec. 1048) that would express the sense of Congress that the Department of Defense and intelligence community should seek ways to bolster integration with respect to space threats through work at the National Space Defense Center.

The House bill contained no similar provision.

The House recedes with a technical amendment.

**SUBTITLE B—DEFENSE INTELLIGENCE AND INTELLIGENCE-RELATED ACTIVITIES**

**Security clearances for facilities of certain contractors (sec. 1621)**
The House bill contained a provision (sec. 1631) that would provide the Department of Defense with the authority to approve facility clearances for a company in the event its senior management official does not have a security clearance at the level of the facility clearance, if a company designates an official with the appropriate clearance to act as the senior management official for the purposes of the facility clearance.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make technical modifications.

Extension of authority to engage in certain commercial activities (sec. 1622)

The House bill contained a provision (sec. 1632) that would amend section 431(a) of title 10, United States Code, to extend the authority to engage in commercial activities as security for intelligence collection activities through December 31, 2023.

The Senate amendment contained a similar provision (sec. 1611) that would extend by three years the authority under section 431 of title 10, United States Code.

The Senate recedes.

Submission of audits of commercial activity funds (sec. 1623)

The House bill contained a provision (sec. 1663) that would modify section 432 of title 10, United States Code, for audits to be submitted to the congressional defense committees and the congressional intelligence committees by not later than December 31 of each year.

The Senate amendment contained no similar provision.

The Senate recedes.

Clarification of annual briefing on the intelligence, surveillance, and reconnaissance requirements of the combatant commands (sec. 1624)

The House bill contained a provision (sec. 1634) that would modify section 1626 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) by including space-based intelligence, surveillance, and reconnaissance in the briefing.

The Senate amendment contained no similar provision.

The Senate recedes.
Consideration of service by recipients of Boren scholarships and fellowships in excepted service positions as service by such recipients under career appointments for purposes of career tenure (sec. 1625)

The Senate amendment contained a provision (sec. 1612) that would amend section 802(k) of the David L. Boren National Security Education Act of 1991, section 1902(k) of title 50, United States Code, to provide that service in an excepted service position in the Boren Scholarship program is considered qualifying service for the purposes of career tenure under title 5, United States Code.

The House bill contained no similar provision.

The House recedes.

Review of support provided by Defense intelligence elements to acquisition activities of the Department (sec. 1626)

The House bill contained a provision (sec. 1635) that would require the Secretary of Defense to review the support provided by the defense intelligence enterprise to Department of Defense acquisition activities, and to develop a specific budget structure for intelligence support to acquisition that would be implemented beginning with the budget submission for fiscal year 2020. It also would require the Secretary to provide a briefing to the congressional defense committees and congressional intelligence committees not later than May 1, 2018, on the results of the review and the plan for the budget structure.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Establishment of Chairman’s controlled activity within Joint Staff for intelligence, surveillance, and reconnaissance (sec. 1627)

The House bill contained a provision (sec. 1638) that would require continuation of a current Department of Defense plan to transition the roles, missions, and responsibilities of Joint Functional Component Command for Intelligence, Surveillance, and Reconnaissance (ISR) from U.S. Strategic Command to the Chairman of the Joint Chiefs of Staff (CJCS) as a CJCS controlled activity, and designate the Department of the Air Force as the controlled activity’s funding sponsor.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make modifications and require the Chairman of the Joint Chiefs of Staff to develop guidance, in coordination with the Director of
Cost Analysis and Program Evaluation, that requires the geographical combatant commanders to collect ISR measures of effectiveness through data and metrics. Measures of effectiveness will enable objective evaluation and analysis in a standardized manner, regarding the utilization of ISR capabilities provided to the combatant commanders, in order to support recommendations to the Secretary of Defense regarding the allocation of Department of Defense ISR resources to the combatant commanders.

Requirements relating to multi-use sensitive compartmented information facilities (sec. 1628)

The Senate amendment contained a provision (sec. 11601) that would require the Secretary of Defense to develop the processes and procedures necessary to build, certify, and maintain certifications for multi-use sensitive compartmented information facilities not tied to a single contract and where multiple companies can work on multiple projects at different security levels securely.

The House bill contained no similar provision.

The House recedes with a clarifying amendment.

Limitation on availability of funds for certain offensive counterintelligence activities (sec. 1629)

The House bill contained a provision (sec. 1636) that would limit the availability of funds for certain offensive counterintelligence operation (OFCO) activities until specified certification and briefing requirements are fulfilled not later than March 1, 2018. It would require the Secretary of Defense to certify that elements of the Department of Defense with OFCO authorities have appropriate oversight procedures. It would also require the Director of the Defense Intelligence Agency (DIA) to provide the congressional defense committees and congressional intelligence committees with an accounting of certain resources transferred from the Defense Counterintelligence Field Activity. It would require a briefing to the same committees from the Under Secretary of Defense for Intelligence and the Director of DIA on improvement of OFCO management.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the limitations on counterintelligence activities and associated reporting requirements.

SUBTITLE C—CYBERSPACE-RELATED MATTERS
PART I—GENERAL CYBER MATTERS

Notification requirements for sensitive military cyber operations and cyber weapons (sec. 1631)

The House bill contained a provision (sec. 1651) that would require the Secretary of Defense to promptly submit in writing to the congressional defense committees notice of any sensitive military cyber operation and notice of the results of the review of any cyber capability that is intended for use as a weapon. This provision would also require the Secretary of Defense to establish procedures for providing such notice in a manner consistent with the national security of the United States and the protection of operational integrity.

The Senate amendment contained no similar provision. The Senate recedes with a clarifying amendment that would require the legal reviews of cyber capabilities intended for a weapon to be submitted on a quarterly basis in aggregate form.

The conferees are aware that cyber capabilities are being developed across the Department of Defense. The conferees recognize that providing Congress with each individual legal review of a cyber capability intended for use as a weapon could become a burdensome requirement. The conferees believe that receiving the legal reviews in aggregate form, on a quarterly basis, with a summary of relevant and significant legal determinations would be more conducive to conducting congressional oversight and helpful in understanding how rapidly evolving international law applies to the pace of cyber operations.

The conferees continue to expect the Department to promptly notify Congress when a significant cyber capability has been approved for use as a weapon and made available to the force. The conferees also expect the Cyber Quarterly Operations briefing, required by section 484 of title 10, to include, but not be limited to, an overview of cyber capabilities intended for use as a weapon that have recently been made available to the force and an overview of significant offensive, defensive, and dual-use cyber capabilities recently made available to the force.

Modification to quarterly cyber operations briefings (sec. 1632)

The House bill contained a provision (sec. 1652) that would amend section 484 of title 10, United States Code, related to quarterly cyber operations briefings, by including all of the congressional defense committees in the requirement as well as
increasing the fidelity of the items to be included in each quarterly briefing.

The Senate amendment contained no similar provision.
The Senate recedes with a technical amendment.

**Policy of the United States on cyberspace, cybersecurity, and cyber warfare (sec. 1633)**

The Senate amendment contained a provision (sec. 1621) that would establish the policy of the United States with respect to matters pertaining to cyberspace, cybersecurity, and cyber warfare.

The House recedes with no similar provision.
The House recedes with an amendment that would require the President to develop a national policy for the United States relating to cyberspace, cybersecurity, and cyber warfare. The amendment would allow not more than 60 percent of the funds made available for fiscal year 2018 for procurement, research, development, test and evaluation, and operations and maintenance for the White House Communications Agency and the White House Situation Support Staff to be obligated or expended until the President submits the policy to the appropriate congressional committees.

The conferees note that over the past five years the Congress has directed the executive branch to develop a national policy and strategy for deterring our adversaries in cyberspace. The National Defense Authorization Acts for Fiscal Years 2014, 2016, and 2017 (Public Laws 113-66, 114-92, and 114-328), for example, each included requirements for policy and strategy development that were not adequately addressed by the executive branch.

The conferees agree that an appropriate cyber policy should at a minimum assert that the United States should employ all instruments of national power, including the use of offensive cyber capabilities, to deter if possible and respond when necessary to any and all cyber attacks or other malicious cyber activities that target United States interests with the intent to—

1. cause casualties among United States persons or persons of our allies;
2. significantly disrupt the normal functioning of United States democratic society or government (including attacks against critical infrastructure that could damage systems used to provide key services to the public or government);
3. threaten the command and control of the United States Armed Forces, the freedom of maneuver of the United States Armed Forces, or the industrial base or other infrastructure on which
the United States Armed Forces rely to defend United States interests and commitments; or

(4) achieve an effect, whether individually or in aggregate, comparable to an armed attack or to an operation that imperils a vital interest of the United States.

The conferees believe strongly that the United States government must be prepared and directed to respond forcefully to cyber attacks and cyber-enabled information warfare attacks on the Nation.

Prohibition on use of products and services developed or provided by Kaspersky Lab (sec. 1634)

The Senate amendment contained a provision (sec. 11603) that would prohibit any department, agency, organization, or other element of the United States Government from using any product developed by Kaspersky Lab or any entity of which Kaspersky Lab has majority ownership.

The House bill contained no similar provision.

The House recedes with an amendment that would add a review and report on the procedures for removing suspect products or services from the information technology networks of the Federal Government.

Modification of authorities relating to establishment of unified combatant command for cyber operations (sec. 1635)

The Senate amendment contained a provision (sec. 1623) that would modify the requirements and authorities germane to the establishment of a unified combatant command for cyber operations, mandated by section 167b(a) of title 10, United States Code. The recommended provision would: (1) Direct that the elevation of United States Cyber Command to a unified combatant command occur before the Cyber Mission Force reaches full operational capability; (2) Clarify the functions of Cyber Command to make them align with Department of Defense policy; and (3) Refine the command and control responsibilities of the Commander of Cyber Command.

The House bill contained no similar provision.

The House recedes with an amendment that repeals subsection (d) of section 167b of title 10, United States Code.

Modification of definition of acquisition workforce to include personnel contributing to cybersecurity systems (sec. 1636)

The House bill contained a provision (sec. 1657) that would authorize a pilot program for the Secretary of Defense to
assess the effectiveness of carrying out a full-scale talent management program to ensure that the cyber workforce of the Department of Defense has the capacity, in both personnel and skills, needed to effectively perform its cyber missions and the kinetic missions impacted by cyber activities.

The Senate amendment contained a provision (sec. 842) that would amend section 1705(h)(2)(A) of title 10, United States Code, to include personnel who are engaged in the acquisition of systems related to cybersecurity in the list of personnel who may be trained under the Department of Defense Acquisition Workforce Development Fund.

The House recedes.

Integration of strategic information operations and cyber-enabled information operations (sec. 1637)

The Senate amendment contained a provision (sec. 1042) that would require the Secretary of Defense to establish a cross-functional task force to integrate across organizations of the Department of Defense (DOD) responsible for information operations, military deception, public affairs, electronic warfare, and cyber operations to produce integrated strategy, planning, and budgeting to counter, deter, and conduct strategic information operations and cyber-enabled information operations. The provision would also direct that the Secretary require the commander of each combatant command to develop specific plans to conduct information operations through cyberspace that could threaten those things, entities, resources, assets, and systems that the leaders of adversary countries value most highly, with the goal of establishing an effective deterrent to information operations and cyber-attacks against the United States, its allies, and its interests. Additionally, the provision would require the task force to review the DOD Strategy for Operations in the Information Environment, dated June 2016, and submit to the congressional defense committees an implementation plan. Lastly, the provision would establish a Defense Intelligence Officer for Information Operations and Cyber Operations within the Department of Defense.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to establish processes and procedures to integrate strategic information operations and cyber-enabled information operations across the elements of the DOD responsible for such operations, including the elements of the Department responsible for military deception, public affairs, electronic warfare, and cyber operations in order to ensure that such processes and procedures provide for Department-wide
strategy, planning, and budgeting for such operations. The amendment would also require the Secretary to designate a senior DOD official to implement and oversee such processes and procedures and other specified responsibilities. Additionally, the amendment would require the commander of each combatant command to develop, with appropriate coordination and assistance, a regional information strategy and interagency coordination plan for implementation. Lastly, the amendment would require a review of the DOD Strategy for Operations in the Information Environment, dated June 2016, and submit a report on the implementation of such strategy to the congressional defense committees.

Exercise on assessing cybersecurity support to election systems of States (sec. 1638)

The Senate amendment contained a provision (sec. 1630) that would require the Secretary of Defense to incorporate the cybersecurity of elections systems of the States as a component of the Cyber Guard Exercise.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to obtain written agreement from a participating state prior to carrying out an exercise relating to the cybersecurity of a state’s election system.

Measurement of compliance with cybersecurity requirements for industrial control systems (sec. 1639)

The Senate amendment contained a provision (sec. 1629) that would direct the Secretary of Defense to update its cyber scorecards to ensure that the Secretary measures each component of the Department of Defense in its progress towards securing the industrial control systems of the Department against cyber threats.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Strategic Cybersecurity Program (sec. 1640)

The Senate amendment contained a provision (sec. 1625) that would require the Secretary of Defense, acting through the Director of the National Security Agency, to establish the Strategic Cybersecurity Program (SCP). The program would execute continual red-teaming reviews of: (1) Offensive cyber systems; (2) Long-range strike systems; (3) Nuclear deterrent systems; (4) National security systems; and (5) Critical infrastructure
of the Department of Defense. The SCP would also be responsible for assessing the cybersecurity adequacy of acquisition plans for proposed systems and infrastructure in order to ensure the effectiveness of these covered systems. The provision would provide for this effort up to $100.0 million of the funding authorized to be appropriated in fiscal year 2018 for the Information Systems Security Program.

The House bill contained no similar provision.

The House recedes with a clarifying amendment that calls for a plan for how to carry out the activities described in this provision.

The conferees are aware that there exists much of the capability to carry out this plan in the Department including at combat support agencies such as the National Security Agency (NSA) and the Defense Information Systems Agency. The plan called for in this provision is expected to organize and focus efforts, and improve our understanding of where gaps may exist in terms of people, resources, focus and authorities. Due to the urgency of the mission, the conferees encourage the Department to provide funding to jumpstart execution of the plan. Furthermore, the conferees expect the Department to identify any additional resources needed for full execution of the effort and include such information in future budget requests. The conferees also expect the NSA to be a significant participant and to budget resources and personnel for this program as part of its information assurance mission.

Plan to increase cyber and information operations, deterrence, and defense (sec. 1641)

The House bill contained a provision (sec. 1654) that would direct the Secretary of Defense to develop a plan to increase regional cyber planning and enhance information operations and strategic communication strategies to counter Chinese and North Korean information warfare, malign influence, and propaganda activities.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Evaluation of agile or iterative development of cyber tools and applications (sec. 1642)

The Senate amendment contained a provision (sec. 1626) that would require the Commander of U.S. Cyber Command to conduct an evaluation of alternative methods for developing, acquiring, and maintaining software-based cyber tools and
applications for Cyber Command and for the cyber component commands of the Armed Forces.

The House bill contained no similar provision.

The House recedes with a technical and clarifying amendment related to the definition of agile development.

The conferees note that the goal of the evaluation is to identify a set of practices that will increase the speed and effectiveness of developing capabilities to match the speed at which the operational cyber environment changes, in peacetime and during a conflict.

**Assessment of defense critical infrastructure (sec. 1643)**

The Senate amendment contained a provision (sec. 11604) that would direct the Secretary of Defense, in coordination with the Director of National Intelligence, the Secretary of Energy, and the Secretary of Homeland Security, to submit to the appropriate congressional committees a report on significant security risks to defense critical electric infrastructure.

The House bill contained no similar provision.

The House recedes with an amendment that would amend section 1650 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to include these elements.

**Cyber posture review (sec. 1644)**

The Senate amendment contained a provision (sec. 1622) that would require the Secretary of Defense, in consultation with the Director of National Intelligence, the Attorney General, the Secretary of the Department of Homeland Security, and the Secretary of State, to conduct a cyber posture review. The purpose of the review would be to clarify U.S. cyber deterrence policy and strategy for the near term by conducting a comprehensive review of the cyber posture of the United States for the next 5 to 10 years.

The House bill contained no similar provision.

The House recedes with an amendment that would require additional elements including a review of the role of cyber operations in combatant commander operational planning; a review of the relevant laws, policies, and authorities; and a review and assessment of the various approaches to cyber deterrence.

**Briefing on cyber capability and readiness shortfalls (sec. 1645)**

The House bill contained a provision (sec. 339) that would require the Secretary of the Army to submit to Congress a report
on the Army Combat Training Centers and the current resident cyber capabilities and training at such centers to examine potential training readiness shortfalls and ensure that pre-rotational cyber training needs are met.

The Senate amendment contained a similar provision (sec. 11005).

The Senate recedes with a technical amendment.

**Briefing on cyber applications of blockchain technology (sec. 1646)**

The Senate amendment contained a provision (sec. 1630) that would require the Secretary of Defense to submit to the appropriate congressional committees a report on the potential offensive and defensive cyber applications of blockchain technology.

The House bill contained no similar provision.

The House recedes with a technical amendment.

**Briefing on training infrastructure for cyber mission forces (sec. 1647)**

TheSenate amendment contained a provision (sec. 11608) that would require the Secretary of Defense to submit to the congressional defense committees a report on the Department of Defense training infrastructure for cyber forces.

The House bill contained no similar provision.

The House recedes with a technical amendment.

**Report on termination of dual-hat arrangement for Commander of the United States Cyber Command (sec. 1648)**

The House bill contained a provision (sec. 1655) that would require the Secretary of Defense to provide a report on the Department of Defense’s progress in meeting the requirements of section 1642 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to the congressional defense and intelligence committees.

The Senate amendment contained a provision (sec. 1627) that would require the Commander of United States Cyber Command to provide to the congressional defense committees a report that identifies the costs associated with developing the capabilities required to meet the requirements outlined in section 1642(b)(2)(C) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The Senate recedes with an amendment that would require the report be informed using data and support from the Director
of Cost Assessment and Program Evaluation, in consultation with the Commander of United States Cyber Command and the Director of the National Security Agency.

PART II—CYBERSECURITY EDUCATION

Cyber Scholarship Program (sec. 1649)

The House bill contained a provision (sec. 1653) that would amend chapter 112 of title 10, United States Code, to establish the Department of Defense Cyber Scholarship Program, setting aside 5 percent of the available funding for pursuit of associate degrees in cyber and authorizing $10.0 million in fiscal year 2018 for such scholarships.

The Senate bill contained a similar provision (sec. 1628).

The Senate recedes.

Community college cyber pilot program and assessment (sec. 1649A)

The Senate amendment contained a provision (sec. 1662) that would require the Director of the National Science Foundation, in coordination with the Director of the Office of Personnel Management, to develop and implement a pilot program at not more than 10, but at least 5, community colleges to provide scholarships to eligible students who are veterans of the Armed Forces pursing associate degrees or specialized program certifications in the field of cybersecurity.

The House bill contained no similar provision.

The House recedes.

Federal Cyber Scholarship-For-Service program updates (sec. 1649B)

The Senate amendment contained a provision (sec. 1663) that would amend section 7442 of title 15, United States Code, to add a scholarship-for-service condition in which recipients of the relevant scholarships must agree, as a condition of receiving a scholarship, to work for a period equal to the length of the scholarship in local, state, or Federal government.

The House bill contained no similar provision.

The House recedes.

Cybersecurity teaching (sec. 1649C)
The Senate amendment contained a provision (sec. 1664) that would amend section 1862n-1(i) of title 42, United States Code, by expanding the definitions of “math and science teacher” and “science, technology, engineering, or mathematics professional” to include persons with relevant cybersecurity experience and qualifications.

The House bill contained no similar provision.

The House recedes.

SUBTITLE D—NUCLEAR FORCES

Annual assessment of cyber resiliency of nuclear command and control system (sec. 1651)

The Senate amendment contained a provision (sec. 793) that would require the Commander of the United States Strategic Command and the Commander of the United States Cyber Command to jointly conduct an annual assessment of the cyber resiliency of the nuclear command and control system. The assessment would evaluate the sufficiency and resiliency of the nuclear command and control system for operation through a cyber attack and would develop recommendations for mitigating the concerns of the Commanders born from this assessment.

The House bill contained no similar provision.

The House recedes with an amendment that would add a requirement for quarterly briefings to the congressional defense committees on critical intelligence parameter breaches.

Collection, storage, and sharing of data relating to nuclear security enterprise (sec. 1652)

The Senate amendment contained a provision (sec. 1631) that would require data sharing between the Department of Energy’s National Nuclear Security Administration and the Department of Defense with respect to cost, programmatic, and technical data relating to nuclear weapons programs and projects.

The House bill contained no similar provision.

The House recedes with an amendment that would make the participation of the Office of Naval Reactors in the data sharing program optional and would also clarify covered programs.

Notifications regarding dual-capable F-35A aircraft (sec. 1653)
The House bill contained a provision (sec. 1661) that would amend section 179(f) of Title 10, United States Code, to require the Nuclear Weapons Council to notify the congressional defense committees if either the Senate or the House of Representatives adopts a bill that authorizes or appropriates funds for the Department of Defense that provides funds in an amount that would result in a delay of the nuclear certification or delivery of F-35A dual-capable aircraft.

The Senate amendment contained no similar provision.

The Senate recedes.

Oversight of delayed acquisition programs by Council on Oversight of the National Leadership Command, Control, and Communications System (sec. 1654)

The House bill contained a provision (sec. 1662) that would require each program manager of a covered acquisition program to transmit a quarterly report to the co-chairs of the Council on Oversight of the National Leadership Command, Control, and Communications System (NLCC) that identifies the requirements, development timeline, and status of the program, including whether the program is delayed. The provision would further require that, in the event an acquisition program is delayed by more than 180 days or in the event a program manager did not properly notify the Council, the co-chairs notify the congressional defense committees not later than 7 days after the end of the quarter.

The Senate amendment contained a provision (sec. 1634) that would require the Chief Information Officer of the Department of Defense, or any successor with primary responsibility for nuclear command, control, and communications (NC3), in coordination with the Under Secretary of Defense for Acquisition and Sustainment, to develop a database of acquisition program metrics on NC3 systems not later than 1 year after the date of enactment of this Act.

The Senate recedes with an amendment that would include both provisions but would change the date of notification by the co-chairs of the Council required by the House provision to not later than 7 days after the end of each semiannual period. The conferees believe that this provision should be implemented to minimize redundant reporting requirements; to the extent there are existing Service reporting products, those should be transmitted to the NLCC to support its oversight of the system and its relevant acquisition programs.

The conferees are also aware of the importance of adequate availability of secure facilities for NC3 recapitalization, as
referenced on page 248 of the House report accompanying H.R. 2810 (H. Rept. 115-200) of the National Defense Authorization Act for Fiscal Year 2018. The conferees are especially concerned with the adequacy of secure facilities for key U.S. Air Force installations related to NC3 acquisition and integration activities of the Air Force Nuclear Weapons Center and Air Force Global Strike Command. Therefore, the conferees direct the Secretary of the Air Force to brief the Committees on Armed Services of the Senate and the House of Representatives not later than February 15, 2018, on the plans to ensure capitalization and recapitalization of secure facilities tied to the modernization of the NC3 system, including funded and unfunded requirements.

Establishment of Nuclear Command and Control Intelligence Fusion Center (sec. 1655)

The House bill contained a provision (sec. 1663) that would direct the Secretary of Defense and the Director of National Intelligence to jointly establish an intelligence fusion center to enhance the protection of nuclear command, control, and communications and continuity of government programs, systems, and processes.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would clarify the mission of the center.

Security of nuclear command, control, and communications system from commercial dependencies (sec. 1656)

The House bill contained a provision (sec. 1664) that would make a series of findings related to Department of Defense use of systems produced by Huawei Technologies Company or ZTE Corporation. The provision would also require the Secretary of Defense to certify whether the Secretary uses telecommunications equipment or services from these companies to carry out the Department’s nuclear deterrence mission or homeland defense mission. Beginning 1 year after the date of enactment of this Act, the provision would prohibit the Secretary from procuring or obtaining any equipment, system, or service that relies on such covered items, and it would provide waiver authority on a case-by-case basis if the Secretary determines it to be in the national security interest of the United States and certifies to the congressional defense committees that certain criteria are met.

The Senate amendment contained no similar provision.
The Senate recedes with an amendment that would strike the findings.

Oversight of aerial-layer programs by Council on Oversight of the National Leadership Command, Control, and Communications System (sec. 1657)

The House bill contained a provision (sec. 1665) that would establish that any analysis of alternatives (AoA) for the Senior Leader Airborne Operations Center, the Executive Airlift program of the Air Force, and the E-6B modernization program may not receive final approval by the Joint Requirements Oversight Council, and the Director of Cost Assessment and Program Evaluation may not complete the AoA sufficiency review unless the Council on Oversight of the National Leadership Command, Control, and Communications System determines that the alternatives are capable of meeting the requirements for senior leadership communications in support of the nuclear command, control, and communications and continuity of government missions of the Department of Defense.

The Senate amendment contained no similar provision.

The Senate recedes.

Security classification guide for programs relating to nuclear command, control, and communications and nuclear deterrence (sec. 1658)

The House bill contained a provision (sec. 1666) that would direct the Secretary of Defense to require the issuance of a security classification guide for nuclear weapons, for nuclear command and control, and for continuity of government programs of the Department of Defense to ensure the protection of sensitive information of such programs.

The Senate amendment contained no similar provision.

The Senate recedes with several amendments that would clarify the exclusion of Department of Energy programs covered by chapter 12 of the Atomic Energy Act as well as require the Deputy Secretary of Defense to notify the congressional defense committees of the status of the issuance of the three guides on an annual basis for 3 years following enactment of this Act.

Evaluation and enhanced security of supply chain for nuclear command, control, and communications and continuity of government programs (sec. 1659)

The House bill contained a provision (sec. 1667) that would direct the Secretary of Defense to evaluate the supply
chain vulnerabilities of programs related to nuclear weapons; nuclear command, control, and communications; continuity of government; and ballistic missile defense. The provision would also require the Secretary to develop and submit a plan to carry out such evaluations not later than 180 days after enactment of this Act and provide waiver authority in certain circumstances. Finally, the provision would require the Secretary to develop strategies for mitigating such vulnerabilities and issue a related Department of Defense Instruction.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would clarify that the required plan should include the personnel and resources required to carry out such evaluations.

*Procurement authority for certain parts of intercontinental ballistic missile fuzes (sec. 1660)*

The House bill contained a provision (sec. 1669) that would give the Department of Defense the authority to buy certain intercontinental ballistic missile fuze parts.

The Senate amendment contained an identical provision (sec. 1633).

The conference agreement includes this provision.

*Presidential National Voice Conferencing System and Phoenix Air-to-Ground Communications Network (sec. 1661)*

The Senate amendment contained a provision (sec. 1603) that would consolidate disparate program elements of the Presidential and National Voice Conferencing (PNVC) system under the Air Force Program Executive Officer (PEO), who has been given overall responsibility for the system. The provision would also require any reporting on the acquisition of PNVC to comply with guidelines for an Acquisition Category 1 (ACAT 1) system.

The House bill contained no similar provision.

The House recedes with an amendment that would transfer responsibility for the PNVC system to the PEO with responsibility for the Family of Advanced Beyond Line-of-Sight Terminals program. The amendment would also transfer responsibility for the Phoenix Air-to-Ground Communications Network to the PEO with responsibility for nuclear command, control, and communications systems. Finally, the amendment would require the Air Force to submit a Selected Acquisition Report for both programs, rather than requiring PNVC to follow guidelines for an ACAT 1 system.
Limitation on pursuit of certain command and control concept (sec. 1662)

The House bill contained a provision (sec. 1668) that would provide that the Secretary of the Air Force may not award a contract for engineering and manufacturing development for the Ground Based Strategic Deterrent program that would result in a command and control concept for such program that consists of fewer than 15 fixed launch control centers per missile wing without a determination from the Commander of United States Strategic Command related to requirements, risk to schedule and costs, strategy to address cyber threats, and managing trade-offs.

The Senate amendment contained no similar provision. The Senate recedes with several clarifying amendments.

Prohibition on availability of funds for mobile variant of ground-based strategic deterrent missile (sec. 1663)

The House bill contained a provision (sec. 1671) that would prohibit obligation or expenditure of funds authorized to be appropriated to retain the option for, or develop, a mobile variant of the Ground Based Strategic Deterrent missile.

The Senate amendment contained no similar provision. The Senate recedes with an amendment that would amend section 1664 of the National Defense Authorization Act for Fiscal Year 2017 to apply the prohibition to fiscal years 2017 through 2019, rather than repealing and replacing it with a new provision in this Act.

Prohibition on reduction of the intercontinental ballistic missiles of the United States (sec. 1664)

The House bill contained a provision (sec. 1674) that would prohibit the Department of Defense from obligating or expending fiscal year 2018 funds to reduce the responsiveness, alert level, or quantity of deployed U.S. intercontinental ballistic missiles to below 400. The provision contains an exception for maintenance and sustainment; safety, security, or reliability; and reductions that are carried out in compliance with the New START Treaty.

The Senate amendment contained no similar provision. The Senate recedes.

Modification to annual report on plan for the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery
The House bill contained a provision (sec. 1673) that would modify the annual report required by section 1043 of the National Defense Authorization Act for Fiscal Year 2012 to clarify that the Secretary of Defense may include cost data for more than 10 years in the future if the Secretary determines that such data are accurate and useful to understanding the nuclear modernization plan.

The Senate amendment contained no similar provision.

The Senate recedes.

Establishment of procedures for implementation of Nuclear Enterprise Review (sec. 1666)

The Senate amendment contained a provision (sec. 1632) that would require the Secretary of Defense to issue a final Department of Defense Instruction for the 2014 Nuclear Enterprise Review no later than 1 year after the date of enactment of this Act.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the instruction should cover recommendations made from both the internal and external reviews of the nuclear enterprise in 2014. The amendment would also remove the required review of the instruction by the Government Accountability Office.

Report on impacts of nuclear proliferation (sec. 1667)

The House bill contained a provision (sec. 1672) that would express the sense of Congress regarding nuclear proliferation as a serious threat to national security and require the Secretary of Defense to submit a report to the congressional defense committees not later than 90 days after enactment of this Act regarding the impacts of nuclear proliferation, how the Department of Defense is contributing to the current strategy to respond to the threat of nuclear proliferation, and if and how nuclear proliferation is being addressed in the Nuclear Posture Review and other pertinent strategy reviews.

The Senate amendment contained no similar provision.

The Senate recedes.

Certification that the Nuclear Posture Review addresses deterrent effect and operation of United States nuclear forces in current and future security environments (sec. 1668)
The Senate amendment contained a provision (sec. 1636) that would require that the Secretary of Defense certify that the Nuclear Posture Review (NPR) being conducted by the Department of Defense addresses the ability of the current and projected future U.S. nuclear postures to deter nuclear-armed adversaries; the ability of the United States to operate in a major regional conflict that involves nuclear weapons; the ability and preparedness of forward-deployed members of the Armed Forces to operate in a nuclear environment; and weapons, equipment, and training not currently part of U.S. nuclear posture that would fill any gaps in those capabilities. The provision would also make a series of findings and express a related sense of the Congress.

The House bill contained no similar provision.

The House recedes with an amendment that would strike the findings and sense of the Congress.

Plan to manage Integrated Tactical Warning and Attack Assessment System and multi-domain sensors (sec. 1669)

The Senate amendment contained a provision (sec. 1637) that would require the Secretary of the Air Force, not later than 1 year after the date of enactment of this Act, to manage the missile element of the Integrated Tactical Warning/Attack Assessment (ITW/AA) system as a weapon system consistent with Air Force Policy Directive 10-9, “Lead Command Designation and Responsibilities for Weapon Systems,” dated March 8, 2007.

The House bill contained no similar provision.

The House recedes.

The conferees are mindful of the centrality of ITW/AA in the five functions of nuclear command and control and related missions. The conferees believe that this is a no-fail mission, and applaud the personal interest taken by the Secretary of Defense in it.

To ensure appropriate oversight is in place, the conferees direct the Department of Defense Inspector General to conduct an evaluation of the ITW/AA system and the extent to which it is meeting all established requirements for system performance. The conferees direct that the final report shall be submitted to the Committees on Armed Services of the Senate and the House of Representatives not later than September 30, 2018, with an interim briefing due no later than May 1, 2018. The conferees further direct the Inspector General to meet with the committees not later than 30 days after the enactment of this Act to fully scope the evaluation.
Certification requirement with respect to strategic radiation hardened trusted microelectronics (sec. 1670)

The Senate amendment contained a provision (sec. 1638) that would require the Secretary of Defense to certify to the congressional defense committees that a strategic radiation hardened trusted foundry will be operational not later than December 31, 2020.

The House bill contained no similar provision.

The House recedes with an amendment that would change the requirement to a certification by December 31, 2020, that an assured capability to produce or acquire strategic radiation hardened trusted microelectronics is operational and available to supply necessary components.

Nuclear Posture Review (sec. 1671)

The Senate amendment contained a provision (sec. 1639) that would require the Secretary of Defense to fully incorporate input and views from all relevant stakeholders within the U.S. Government while conducting the Nuclear Posture Review (NPR). The provision would also require the Secretary of Defense to ensure that the NPR is submitted, in its entirety, to the President and the congressional defense committees and that an unclassified version is made available to the public.

The Senate amendment also contained a provision (sec. 1640) that would express the sense of Congress that the NPR should take into account U.S. treaty obligations and examine the tools required to sustain the stockpile stewardship program.

The House bill contained no similar provision.

The House recedes with an amendment that would combine the two provisions.

Sense of Congress on importance of independent nuclear deterrent of United Kingdom (sec. 1672)

The House bill contained a provision (sec. 1670) that would express the sense of Congress regarding the independent nuclear deterrent of the United Kingdom of Great Britain and Northern Ireland.

The Senate amendment contained no similar provision.
The Senate recedes.

SUBTITLE E—MISSILE DEFENSE PROGRAMS
Administration of missile defense and defeat programs (sec. 1676)

The House bill contained a provision (sec. 1681) that would amend chapter 9 of title 10, United States Code, by creating a new section that would establish a unified major force program for missile defense and missile defeat programs. This provision would require the Secretary of Defense to submit a report on such programs for fiscal years 2019–2023. This provision would further require the Secretary to transfer acquisition authority and total obligation authority for each program covered by this provision from the Missile Defense Agency to a military department not later than the date on which the President’s budget is submitted for fiscal year 2020. The Secretary would also be required to submit a report, not later than 1 year after the date of the enactment of this Act, to the congressional defense committees on the plans for such a transition. Finally, the provision would change the term of the Director of the Missile Defense Agency to 6 years and require that the Director report to and be under the authority of the Under Secretary of Defense for Research and Engineering.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would change the date for transitioning acquisition authority to fiscal year 2021.

The conferees note that previous transitions of missile defense acquisitions to the military services have a poor track record and the conferees encourage the Missile Defense Agency and the Department of Defense to take extra precautions to ensure the transitioned programs are handled appropriately with sound management and oversight mechanisms.

Condition for proceeding beyond low-rate initial production (sec. 1677)

The House bill contained a provision (sec. 1684) that would require that, not later than 90 days after the date of the enactment of this Act, the Director of the Missile Defense Agency, the Director of Operational Test and Evaluation, the Secretary of the Army, and the Secretary of the Navy jointly ensure that the test plans of the Integrated Master Test Plan of the ballistic missile defense system prioritize the integration of missile defense capabilities, including Patriot, Aegis ballistic missile defense, and Terminal High Altitude Area Defense (THAAD).

The Senate amendment contained no similar provision.
The Senate recedes with an amendment that would replace the provision with a rule of construction that would give authority to the Secretary of Defense to make a determination on deployment of missile defense programs irrespective of operational test and evaluation assessments on ballistic missile defense systems.

_Preservation of the ballistic missile defense capacity of the Army (sec. 1678)_

The House bill contained a provision (sec. 1682) that would prohibit the Army from obligating or expending any funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2018 or any fiscal year thereafter to demilitarize any Guidance Enhanced Missile TBM (GEM–T) interceptor or remove any such interceptor from the operational inventory of the Army until the date on which the Secretary of the Army submits an evaluation to the congressional defense committees of the ability of the Army to meet warfighter requirements and operational needs if GEM–T interceptors are removed from the operational inventory of the Army.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Army to submit a plan to the congressional defense committees no later than 120 days after the enactment of this Act, on the Army’s ability to maintain an inventory of interceptors necessary to retain the capability provided by GEM–T interceptors.

_Modernization of Army lower tier air and missile defense sensor (sec. 1679)_

The House bill contained a provision (sec. 1683) that would require the Secretary of the Army to issue an acquisition strategy not later than April 15, 2018, for a 360-degree lower tier air and missile defense sensor that achieves initial operating capability by January 1, 2022. This provision would also establish the requirements, including the use of competitive procedures, that must be satisfied by such an acquisition strategy. Under this provision, if the Secretary of the Army does not issue such an acquisition strategy by April 15, 2018, the Secretary would no longer be authorized to obligate or expend funding for the lower tier air and missile defense sensor. Additionally, the Secretary of Defense would be required to transfer the acquisition responsibility for such a sensor to the Missile Defense Agency, and its Director would be required to issue such acquisition strategy by not later than
December 15, 2018. If the Secretary of Defense carries out such transfer, this provision would further require that, after the 360-degree sensor achieves Milestone B approval (or equivalent) but before such sensor achieves Milestone C approval (or equivalent), the Secretary of Defense transfer the responsibility to procure such sensor and the funding authorized to carry out such procurement from the Director of the Missile Defense Agency to the Secretary of the Army.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would delay the requirement for the Army to submit an acquisition strategy until September 15, 2018 and the initial operating capability to December 31, 2023.

Defense of Hawaii from North Korean ballistic missile attack (sec. 1680)

The House bill contained a provision (sec. 1685) that would state the findings of Congress concerning the North Korean ballistic missile threat and express the sense of Congress concerning the improvement of the missile defense of Hawaii. The provision would also require the Secretary of Defense to protect the test and training operations of the Pacific Missile Range Facility and assess the siting and functionality of a discrimination radar throughout the Hawaiian Islands before assessing the feasibility of using existing missile defense assets to improve the missile defense of Hawaii. This provision would also require the Director of the Missile Defense Agency to conduct a test to evaluate the capability to defeat a simple intercontinental ballistic missile (ICBM) using the standard missile 3 (SM-3) block IIA interceptor and to develop a plan, as part of the integrated master test plan for the ballistic missile defense system, to defeat a complex ICBM threat, including a complex threat posed by North Korean ICBMs. Finally, this provision would require the Secretary of Defense to submit a report to the congressional defense committees within 120 days after the enactment of this Act that indicates whether the nuclear deterrence capabilities of any adversary of the United States would be undermined by a capability to defend against North Korean ICBMs using SM-3 block IIA interceptors and whether the Secretary has developed a strategy to address any such effect upon an adversary’s nuclear deterrent capabilities.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would delay the SM-3 block IIA ICBM intercept test to occur not later than December 31, 2020.
Designation of location of continental United States interceptor site (sec. 1681)

The House bill contained a provision (sec. 1693) that would require the Secretary of Defense to determine the location of a potential additional continental United States interceptor site within 30 days after the Ballistic Missile Defense Review is issued. The provision would also require the Secretary to consider specified contributing factors when making such determination and would require the Secretary to submit a report to the congressional defense committees within 30 days after the site determination is made.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to designate the preferred location of a potential additional continental United States interceptor site within 60 days after the issuance of the Ballistic Missile Defense Review.

Aegis Ashore anti-air warfare capability (sec. 1682)

The House bill contained a provision (sec. 1686) that would authorize the Secretary of Defense to use funds authorized by sections 101 and 201 of this Act for deployment of anti-air warfare capabilities at each Aegis Ashore site in Romania and the Republic of Poland. This provision would further require the Secretary to ensure that such capabilities are deployed at the site in Romania by not later than 1 year after the date of the enactment of this Act and at the site in Poland by not later than 1 year after the declaration of operational status of that site.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Development of persistent space-based sensor architecture (sec. 1683)

The House bill contained a provision (sec. 1689) that would express the sense of Congress on the importance of a space-based missile defense sensor layer and would require the Director of the Missile Defense Agency, in coordination with the Secretary of the Air Force and the heads of the appropriate Defense Agencies and combat support agencies, to develop a space-based sensor layer for ballistic missile defense that provides precision tracking data of missiles beginning in the boost phase and continuing throughout subsequent flight regimes;
serves other intelligence, surveillance, and reconnaissance requirements; and achieves an operational prototype payload at the earliest practicable opportunity.

The Senate amendment contained a provision (sec. 1652) that would require the Director of the Missile Defense Agency to develop, using sound acquisition practices, a highly reliable and cost-effective persistent space-based sensor architecture capable of supporting the ballistic missile defense system to provide functions such as: (1) control of increased raid sizes; (2) precision tracking of threat missiles; (3) fire-control-quality tracks of evolving threat missiles; (4) enabling launch-on-remote and engage-on-remote capabilities; (5) discrimination of warheads; (6) effective kill assessment; (7) an enhanced shot doctrine; (8) integration with the command, control, battle management, and communication program of the ballistic missile defense system, (9) integration with all other elements of the current ballistic missile defense system, including the Terminal High Altitude Area Defense, Aegis Ballistic Missile Defense System, and Patriot Air and Missile Defense Systems; (10) and any additional functions the Ballistic Missile Defense Review finds to be appropriate.

The House recedes with an amendment that would require the Director of the Missile Defense Agency to submit a plan to Congress not later than one year after enactment of this act that describes how the Director will develop a space sensor layer and an assessment of the maturity of critical technologies necessary for making operational such a sensor layer.

Iron Dome short-range rocket defense system and Israeli Cooperative Missile Defense Program co-development and co-production (sec. 1684)

The House bill contained a provision (sec. 1687) that would make available $92.0 million for fiscal year 2018 for procurement of system components for the Iron Dome short-range rocket defense system. The provision would condition those funds subject to the terms, conditions, and coproduction targets specified for fiscal year 2018 in a bilateral international agreement amending the “Agreement Between the Department of Defense of the United States of America and the Ministry of Defense of the State of Israel Concerning Iron Dome Defense System Procurement.” The provision would also require that, not less than 30 days prior to the initial obligation of these funds, the Director of the Missile Defense Agency and the Under Secretary of Defense for Acquisition, Technology, and Logistics jointly submit to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives,
and the Committee on Foreign Relations of the Senate a certification that such agreement is being implemented as provided in the agreement and an assessment detailing any risks relating to the implementation of such agreement. The provision would also authorize $221.5 million and $287.3 million for fiscal year 2018 development, procurement, and coproduction of the David’s Sling Weapon System and the Arrow 3 Upper Tier missile defense system, respectively. The provision would further specify the terms and conditions to be achieved by the Director of the Missile Defense Agency and the Under Secretary of Defense for Acquisition, Technology, and Logistics prior to the disbursement of the authorized funds for David’s Sling and Arrow 3. The provision would also require the Under Secretary of Defense for Acquisition, Technology, and Logistics to provide a briefing to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate on the plans for improving the affordability of the David’s Sling Weapon System and the Arrow 3 Upper Tier Interceptor Program not later than 30 days after such plans are approved. Finally, this provision would limit the funds to be authorized by this Act or otherwise made available during fiscal year 2018 for the Missile Defense Agency for the testing of the Arrow 3 Upper Tier Development Program in ranges located in the United States and expenses related to such testing to not more than $105.0 million.

The Senate amendment contained a provision (sec. 1651) that would authorize not more than $92.0 million for the Missile Defense Agency to provide to the Government of Israel to procure Tamir interceptors for the Iron Dome short-range rocket defense system through coproduction of such interceptors in the United States. Before disbursing the funding for Iron Dome to the Government of Israel, the Director of the Missile Defense Agency and the Under Secretary of Defense for Acquisition and Sustainment must certify that the March 5, 2014, bilateral international agreement concerning Iron Dome, as amended, is being implemented. The provision would also authorize $120.0 million for the Missile Defense Agency to provide to the Government of Israel for the procurement of the David’s Sling Weapon System and $120.0 million for the Arrow 3 Upper Tier Interceptor program, including for coproduction of parts and components in the United States by U.S. industry, after certain certifications. Finally, the provision would prohibit the obligation or expenditure of funds provided for the procurement of the Arrow 3 Upper Tier Interceptor program until 30 days after the successful completion of two flight tests at a test range in the United States.
The Senate amendment contained a further provision (sec. 6606) that would remove the limitation in section 1651 on the obligation or expenditure of funds authorized to be appropriated for procurement of the Arrow 3 Upper Tier Interceptor program. The House recedes.

The conferees direct representatives from the David's Sling Weapon System Joint Affordability Working Group to brief the congressional defense committees no later than March 1, 2017 on the drivers of production costs, cost reduction initiatives, and efforts to achieve co-production efficiencies for the David's Sling program.

Boost phase ballistic missile defense (sec. 1685)

The House bill contained a provision (sec. 1694A) that would require the Secretary of Defense to ensure that an effective interim kinetic or directed energy boost phase ballistic missile defense capability is available for initial operational deployment not later than December 31, 2020. The provision would further require the Secretary to submit to the congressional defense committees a plan to achieve this requirement, including budget requirements, a robust test schedule, and a plan to develop enduring boost phase missile defense capability.

The Senate amendment contained no similar provision. The Senate recedes with an amendment that would express a sense of Congress that, if consistent with the direction or recommendations of the Ballistic Missile Defense Review, the Secretary of Defense should rapidly develop and demonstrate a boost phase intercept capability, as soon as practicable, for missile defense.

The conferees note that the Missile Defense Agency has completed an assessment of the cost, schedule and testing profile for a boost phase intercept capability and encourage the Missile Defense Agency to continue maturing the technology. As the Missile Defense Agency continues to develop a persistent space based sensor layer, it should, in parallel, coordinate its efforts to develop the boost phase missile defense capability in order to ensure a reasonable deployment date of both systems.

Ground-based interceptor capability, capacity, and reliability (sec. 1686)

The House bill contained a provision (sec. 1699F) that would require the Secretary of Defense to increase the number of U.S. ground-based interceptors (GBIs) by up to 28. The provision would further require the Director of the Missile Defense Agency
to submit to the congressional defense committees a report on infrastructure requirements and costs associated with increasing the number of ground-based interceptors at Missile Field 1 and Missile Field 2 at Fort Greely to 20 ground-based interceptors each.

The House bill contained another provision (sec. 1699G) that would express the sense of Congress that it is the policy of the United States to maintain and improve an effective, robust layered missile defense system. This provision would further require the Director of the Missile Defense Agency to submit to the congressional defense committees a report on the costs and benefits of increasing the capacity of the ground-based midcourse defense element of the ballistic missile defense system.

The Senate amendment contained a similar provision (sec. 1653) that would also require the Secretary to identify a ground-based interceptor stockpile storage site for up to 8 GBIs.

The House recedes with an amendment that would authorize the Secretary of Defense to procure up to 28 ground-based interceptors, if consistent with the direction or recommendations of the Ballistic Missile Defense Review and eliminates a number of reporting requirements, including on transportable ground-based interceptors, planned improvements to homeland ballistic missile defense sensor and discrimination capabilities, and supplementing ground-based midcourse defense elements with other, more distributed elements, as these reports would be duplicative to reports that have already been submitted to the congressional defense committees.

**Limitation on availability of funds for ground-based midcourse defense element of the ballistic missile defense system (sec. 1687)**

The House bill contained a provision (sec. 1691) that would limit the funds authorized by this Act for fiscal year 2018 for the Ground-Based Midcourse Defense (GMD) System by $50.0 million until the Secretary of Defense provides a written certification that risk of mission failure of GMD-enhanced kill vehicles due to foreign object debris has been minimized or, if the certification cannot be made, a briefing on the corrective measures that will be carried out to minimize such risk.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the certification to be submitted by the Missile Defense Agency Director, rather than by the Secretary of Defense, and would remove the requirement for a briefing from the Missile Defense
Agency. If the Missile Defense Agency Director cannot submit the required certification, the Director shall provide a briefing to the Armed Services Committees of the House of Representatives and the Senate on the corrective measures that will be carried out to minimize such risk, including a timeline and cost for the implementation of these measures.

Plan for development of space-based ballistic missile intercept layer (sec. 1688)

The House bill contained a provision (sec. 1690) that would express the sense of Congress regarding the natural advantages of space systems and their potential integration into ballistic missile defense systems. The provision would also require the Missile Defense Agency to develop a space-based ballistic missile intercept layer, establish a space test bed for space-based ballistic missile intercept, and submit a plan for developing the space-based ballistic missile intercept layer.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the development of a space-based ballistic missile intercept layer if it is consistent with the direction or recommendations of the Ballistic Missile Defense Review and extend the plan to carry out the development of the space-based ballistic missile intercept layer to a ten-year period.

Sense of Congress on the state of the missile defense of the United States (sec. 1689)

The House bill contained a provision (sec. 1699E) that would express the sense of Congress that the Secretary of Defense should use the Ballistic Missile Defense Review (BMDR) to consider accelerating the development of technologies that will increase the capacity, capability, and reliability of the ground-based midcourse defense element of the ballistic missile defense system and that, upon completion of the BMDR, to the extent practicable and with sound acquisition practices, the Director of the Missile Defense Agency should accelerate the development, testing, and fielding of such capabilities as they are prioritized in the BMDR, to include the redesigned kill vehicle, the multi-object kill vehicle, the C3 booster, a space-based sensor layer, an airborne laser on unmanned aerial vehicles, and a potential additional missile defense site.

The Senate amendment contained a similar provision (sec. 1654) that also stated that it is essential for the Department of Defense and the Missile Defense Agency to follow a “fly
before you buy” approach before final production decisions or operational deployment.

The House recedes with a technical amendment.

*Sense of Congress and report on ground-based midcourse defense testing (sec. 1690)*

The House bill contained a provision (sec. 1699I) that would express the sense of the Congress that the Missile Defense Agency (MDA) should increase funding to homeland missile defense testing and continue to flight test the ground-based midcourse defense system at least once each fiscal year. The provision would further require the Director of the Missile Defense Agency to submit a report to the congressional defense committees that includes a revised missile defense testing campaign that accelerates the development and deployment of new missile defense technologies. Per the provision, this revised testing campaign should specifically review the acceleration of the redesigned kill vehicle, the multi-object kill vehicle, the configuration-3 booster, unmanned aerial vehicles that utilize directed energy, and a space-based missile defense sensor architecture.

The Senate amendment contained a similar provision (sec. 1655).

The Senate recedes with an amendment that would modify the provision to a sense of Congress and delay the reporting requirement to be submitted 90 days after the Ballistic Missile Defense Review is published.

**SUBTITLE F—OTHER MATTERS**

*Commission to Assess the Threat to the United States from Electromagnetic Pulse Attacks and Similar Events (sec. 1691)*

The House bill contained a provision (sec. 1699B) that would establish a new Commission to Assess the Threat to the United States from Electromagnetic Pulse Attacks and Events, with 12 members appointed by the chairs and ranking members of the Committees on Armed Services of the Senate and the House of Representatives.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would clarify that geomagnetic disturbances and other events that could cause similar effects are within the scope of the commission, would change the termination and report dates for the commission, and would clarify the list of departments that must cooperate with the commission and provide liaison officers.
The conferees encourage the Department of Defense to consider, in its plans, requirements, doctrines, training, and acquisitions, the threat posed by electromagnetic pulse (EMP) attacks on the continental United States, on forward-deployed U.S. military forces, and allied forces and territory. The conferees further urge the Department to take appropriate and timely action to protect U.S. military installations, equipment, and personnel from EMP attacks.

Protection of certain facilities and assets from unmanned aircraft (sec. 1692)

The House bill contained a provision (sec. 1695) that would amend section 130i of title 10, United States Code, to provide the authority to protect against threats posed by nefarious or irresponsible use of unmanned aircraft systems (UAS) against certain military ranges and test facilities.

The Senate amendment contained no such provision.

The Senate recedes with an amendment that would augment the Secretary of Defense’s existing authority to use counter-UAS (CUAS) technology to include additional critical mission areas in light of emerging threats posed to Department of Defense facilities and assets located within the United States (including the territories and possessions of the United States). The provision would require the Secretary of Defense to: coordinate with the Secretary of Transportation and the Federal Aviation Administration (FAA) Administrator to implement CUAS authority because of the potential effects to the national airspace system and civil aviation operations; implement CUAS capabilities that ensure privacy protection in a manner consistent with the Fourth Amendment to the United States Constitution and applicable Federal law; submit to Congress annual funding budget materials that describe the CUAS enterprise; and, conduct briefings, with the Secretary of Transportation, to the appropriate congressional committees on activities undertaken pursuant to the CUAS authority.

Additionally, the provision would require Congress to review, modernize and reauthorize CUAS authority as integration of UAS technology and operation procedures are evolved into the National Airspace System by limiting to a period of three years the Department’s exercise of CUAS authority for all newly added mission areas, with the exception of the new mission area included in the House provision.

The Department of Defense (DOD) made a request to the Armed Services Committees of the House of Representatives and the Senate on September 27, 2017, to expand DOD’s CUAS authority for specific mission areas. DOD asked the conferees
to consider a U.S. Government, inter-agency coordinated, legislative proposal that would expand the limited CUAS authority that was provided to the Department last year in the NDAA for Fiscal Year 2017 (P.L. 114-328). Despite the timing of the proposal, the conferees assessed it was imperative to consider the authority for expanded mission areas and additional legal protections in the legislative proposal, given the growing threat that nefarious and irresponsible use of UAS capabilities and the potential harm they could inflict against facilities and assets of the Department of Defense.

To coincide with Congress’ close oversight of DOD’s use of CUAS authority, the conferees direct the Comptroller General of the United States to provide a report to the Armed Services Committees of the House of Representatives and the Senate, the House Committee on Transportation and Infrastructure, and the Senate Committee on Commerce, Science, and Technology, not later than February 1, 2019. That report should assess DOD’s oversight and use of authority pertaining to CUAS governance structure, budget and capabilities development, implementation strategy, effectiveness and efficiency of coordination between relevant U.S. Government departments and agencies, and what actions the Secretary of Defense and the FAA Administrator are taking to institutionalize collaboration and coordination efforts among federal agencies to responsibly exercise CUAS authority and ensuring the safety of civil aviation and the national airspace system.

The conferees note that the provision included in this Act would provide an exemption to section 46502 of title 49 United States Code, and any provision of title 18 United States Code, for members of the armed forces, officers, and civilian employees of DOD with assigned duties that include safety, security or protection of personnel, facilities or assets, and who may take actions to mitigate a UAS threat. The conferees are uncertain as to whether or not these same exemptions to United States Code should apply to certain employees of the FAA who assist DOD in the exercise of CUAS authority. Therefore, the conferees direct the Secretary of Transportation, in consultation with the Secretary of Defense, to provide a report to the House Committee on Transportation and Infrastructure, the Senate Committee on Commerce, Science, and Technology, and the Committees on Armed Services of the House of Representatives and the Senate, not later than March 1, 2018, that would thoroughly assess the need for certain employees of the FAA, who assist DOD in the exercise of CUAS authority, to be afforded the same, or similar, legal protections as provided to DOD personnel. Additionally, if it is determined that certain FAA employees should be afforded the same, or similar, legal
protections as DOD personnel, the conferees expect submission from the appropriate Secretary to Congress of a U.S. Government inter-agency coordinated legislative proposal during a future budget request.

Finally, in the face of a growing threat to U.S. Government facilities, and Department of Defense facilities in particular, the conferees encourage the Department to inform the appropriate congressional committees of specific and validated requirements to protect its facilities, assets, and personnel for the mission areas designated in this provision, and for any emergent mission areas in the future. Accordingly, the conferees expect the Department of Defense to coordinate closely with the Secretary of Transportation and other Executive Branch departments, as appropriate, through effective and efficient interagency processes to ensure that the use of CUAS authority comports with relevant regulations governing the safe and efficient use of the National Airspace System, protects constitutional civil liberties, and is judiciously and responsibly employed for the highest-priority facilities and assets of the Department of Defense.

Conventional prompt global strike weapons system (sec. 1693)

The House bill contained a provision (sec. 1692) that would require the Secretary of Defense, coordination with the Chairman of the Joint Chiefs of Staff, to plan to reach early operational capability for the conventional prompt strike weapon system by not later than September 30, 2022. The provision would also limit the obligation or expenditure of funds for fiscal year 2018 for research, development, test, and evaluation, Defense-wide, for this system to no more than 50 percent until the Chairman submits a report to the congressional defense committees.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the limitation on funds, and instead require the same report due 180 days from the date of enactment of this Act.

Business case analysis regarding ammonium perchlorate (sec. 1694)

The House bill contained two provisions that would require reports concerning ammonium perchlorate. One provision (sec. 1697) would require a report concerning the costs associated with using a new supplier of ammonium perchlorate, including requalification costs. The other provision (sec. 1698) would require the Director of Cost Assessment and Program Evaluation
to do a business case analysis regarding options for maintaining a second domestic supply of ammonium perchlorate. This provision would also prohibit the Department of Defense from using funds to develop a new source for ammonium perchlorate until after the report was completed.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would combine both provisions into one and remove the limitation on the Department of Defense funds to develop a new source for ammonium perchlorate.

Report on industrial base for large solid rocket motors and related technologies (sec. 1695)

The House bill contained a provision (sec. 1699) that would require the Secretary of Defense, in consultation with the Administrator of the National Aeronautics and Space Administration, to develop a plan to ensure a robust domestic industrial base for large solid rocket motors and critical technologies, subsystems, components, and materials related to such rocket motors.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense, in consultation with the Administrator of the National Aeronautics and Space Administration, to submit a report by March 1, 2018. The report shall include an assessment of options to sustain two domestic suppliers of:

1. large solid rocket motors;
2. small liquid-fueled rocket engines;
3. aeroshells for reentry vehicles or reentry bodies;
4. strategic radiation-hardened microelectronics;
and
5. any other critical technologies, subsystems, components, and materials within and relating to large solid rocket motors that the Secretary determines appropriate.

For the items listed above, the Secretary shall also include views on sustaining two or more suppliers, risks within the industrial base, estimated costs for sustaining multiple suppliers, and opportunities to ensure competition.

Pilot program on enhancing information sharing for security of supply chain (sec. 1696)

The House bill contained a provision (sec. 1699A) that would direct the Secretary of Defense to establish a pilot program by June 1, 2019, to enhance information sharing with
cleared defense contractors for the purpose of ensuring supply chain security. This provision would also require the Secretary to select 10 acquisition or sustainment programs to participate in the pilot program and would further provide criteria that the Secretary would be required to satisfy when selecting the 10 programs.

The Senate amendment contained no similar provision.
The Senate recedes with a technical amendment.

Pilot program on electromagnetic spectrum mapping (sec. 1697)

The House bill contained a provision (sec. 1699C) that would establish a pilot program to assess the viability of space-based mapping of the electromagnetic spectrum used by the Department of Defense.

The Senate amendment contained no similar provision.
The Senate recedes with a clarifying amendment.

Use of commercial items in Distributed Common Ground Systems (sec. 1698)

The House bill contained a provision (sec. 1696) that would require that procurement for each Distributed Common Ground System (DCGS) be carried out in accordance with section 2377 of title 10, United States Code.

The Senate amendment contained no similar provision.
The Senate recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

Establishment of subordinate unified command of the United States Strategic Command

The House bill contained a provision (sec. 1602) that would direct the Secretary of Defense to establish United States Space Command as a subordinate unified command under United States Strategic Command not later than January 1, 2019. This provision would also require the commander of such command to hold a four-star rank and be appointed by the President and confirmed by the Senate. The commander would exercise command of joint space activities or missions, and the United States Space Command would be jointly staffed.

The Senate amendment contained no similar provision.
The House recedes.

Policy of the United States with respect to classification of space as a combat domain
The Senate amendment contained a provision (sec. 1605) that would state that it is the policy of the United States to develop, procure, field, and maintain an integrated system of assets in response to the increasingly contested nature of the space operating domain to: (1) ensure the resilience of capabilities at every level of orbit in space; (2) deter or deny an attack on capabilities at every level of orbit in space; and (3) defend the territory of the United States, its allies, and its deployed forces across all operating domains.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that space is a combat domain and that the provision was not included only because it was duplicative of previous policy already asserting such.

**Conditional transfer of acquisition and funding authority of certain weather missions to National Reconnaissance Office**

The House bill contained a provision (sec. 1614) that would require the Secretary of the Air Force and the Director of the National Reconnaissance Office to execute the transfer of certain weather missions from the Air Force to the National Reconnaissance Office unless the Secretary and Director both issued the waivers described in section 1614(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The Senate amendment contained no similar provision.

The House recedes.

**Report on space-based nuclear detection**

The House bill contained a provision (sec. 1624) that would require the Secretary of Defense, the Chairman of the Joint Chiefs of Staff, the Secretary of Energy, and the Secretary of State to jointly submit to the congressional defense and intelligence committees a report on space-based nuclear detection.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense to provide a briefing with the appropriate representatives from the office of the Chairman of the Joint Chiefs of Staff, the Department of Energy, and the State Department to the congressional defense and intelligence committees on space-based nuclear detection. The briefing shall include a strategic plan, including with respect to current and planned space platforms, to host the relevant payloads. The briefing shall also include a discussion
on the current and planned national security requirements for space-based nuclear detection including: which agencies own the requirements; how current requirements compare to past requirements; and how future funding for the space-based nuclear detection program is being provided by each such department or agency to meet each mission requirement.

Sense of Congress on new commercial satellite servicing activities

The House bill contained a provision (sec. 1625) that would express the sense of Congress that government funding and support is an important element in fostering the development of a robust marketplace of new commercial satellite servicing activities and that Federal Government should ensure that its actions do not unduly or artificially distort competition in the market for new commercial satellite servicing activities.

The Senate amendment contained no similar provision.

The House recedes.

Prohibition on use of software platforms developed by Kaspersky Lab

The Senate amendment contained a provision (sec. 1630B) that would prohibit any component of the Department of Defense from using, whether directly or through work with or on behalf of another element of the United States Government, from using any software platform developed, in whole or in part, by Kaspersky Lab or any entity of which Kaspersky Lab has a majority ownership.

The Senate amendment contained another provision (sec. 11602) that would provide that section 1630B would have no force or effect.

The House bill contained no similar provision.

The Senate recedes. The conferees note that section 11603 of the Senate amendment, which would prohibit any department, agency, organization, or other element of the United States Government from using any product developed by Kaspersky Lab or any entity of which Kaspersky Lab has majority ownership, represented a broader substitute for section 1630B of the Senate amendment.

Prohibition on availability of funds for certain relocation activities for NATO intelligence fusion center

The House bill contained a provision (sec. 1637) that would prohibit the availability of funds for fiscal year 2018
for the procurement of fit-out supplies and equipment to support
the relocation of the NIFC from RAF Molesworth (United Kingdom)
to RAF Croughton (United Kingdom).

The Senate amendment contained no similar provision.
The House recedes.

Sense of Congress and report on geospatial commercial activities
for basic and applied research and development

The House bill contained a provision (sec. 1639) that
would express the sense of Congress on geospatial commercial
activities for basic and applied research and development and
would require a report on authorities needed to establish
commercial activities for the purposes of research and
technology development.

The Senate amendment contained no similar provision.
The House recedes.

The conferees support pursuing innovative solutions to the
pressing challenge of automated exploitation of imagery to
address both the vast quantities of imagery collected by the
armed forces and the intelligence community and the speed
required to support military action against fleeting targets.
The conferees understand that many U.S. commercial technology
companies, which are not part of the Defense Department’s
established industrial base, possess the needed talent and
technological capability in artificial intelligence and machine
learning. The conferees further understand that the key to the
development of effective machine learning algorithms is access
to large volumes of data on which to train.

The conferees recognize that the National Geospatial-
Intelligence Agency’s (NGA) large holdings of imagery data are
therefore of immense value and grasp the logic behind NGA’s
proposal to invest that data in partnership with leading edge
companies. However, while the conferees are supportive of NGA’s
objectives of more effectively harnessing private industry
expertise, questions remain about many details of the proposal,
including the request to waive certain statutes, rules, and
regulations, as well as the lack of a plan for sharing of
classified or otherwise sensitive data.

The conferees encourage NGA to continue to work within the
Department of Defense to develop and submit a legislative
proposal to the House and Senate Armed Services in time for
consideration of the National Defense Authorization Act for
Fiscal Year 2019. In the meantime, the conferees encourage NGA
to use all available authorities and opportunities to advance
artificial intelligence and machine learning capabilities in
partnership with commercial industry to achieve automated
exploitation of its data, including by working with the Defense Innovation Unit Experimental (DIUx) to make NGA data available to the DIUx DataHub contractors for synthetic aperture radar imagery exploitation. The conferees direct the NGA to keep the Armed Services Committees of the Senate and House of Representatives updated on its activities in this area and to identify challenges that remain. The conferees look forward to continuing to work with the NGA on addressing this matter.

**Department of Defense Counterintelligence polygraph program**

The House bill contained a provision (sec. 1640) that would authorize the Secretary of Defense to add dual citizens in positions with access to highly classified information to their counterintelligence polygraph program, for the purposes of assessing risk.

The Senate amendment contained no similar provision.

The House recedes.

**Security clearance for dual-nationals**

The House bill contained a provision (sec. 1641) that would require the Secretary of Defense to provide additional review before approving a security clearance for a United States national who also has the nationality of a foreign state (a dual national) who is appointed to or hired for a position designated by the Office of Personnel Management as critical sensitive or special sensitive. The provision would also authorize the Secretary of Defense to waive this requirement for certain dual nationals.

The Senate amendment contained no similar provision.

The House recedes.

**Suspension or revocation of security clearances based on unlawful or inappropriate contacts with representatives of a foreign government**

The House bill contained a provision (sec. 1642) that would authorize the Secretary of Defense to suspend or revoke any security clearance granted by the Department of Defense if the holder of that security clearance has engaged in unlawful or inappropriate contacts with representatives of the government of a foreign country.

The Senate amendment contained no similar provision.

The House recedes.

**Strategy for the offensive use of cyber capabilities**
The House bill contained a provision (sec. 1656) that would require the President to develop a written strategy for the offensive use of cyber capabilities by departments and agencies of the Federal Government. The Senate amendment contained no similar provision. The House recedes. The conferees note that the elements of this strategy have been incorporated in a separate provision in this Act requiring the Department of Defense conduct a Cyber Posture Review.

Definition of deterrence in the context of cyber operations

The House bill contained a provision (sec. 1658) that would require the Secretary of Defense to develop a definition of "deterrence" to be used in the context of cyber operations in the Department of Defense and assess this definition’s impact on the Department’s cyber strategy. The Senate amendment contained a provision (sec. 1630A) that would require the Secretary of Defense to submit to the congressional defense committees a report on various approaches to cyber deterrence. The conference agreement does not include either provision. The conferees note that elements of both provisions have been incorporated in a separate provision in this act requiring the Department of Defense conduct a Cyber Posture Review.

Short title

The Senate amendment contained a provision (sec. 1661) that would establish a subtitle as the "Cyber Scholarship Opportunities Act of 2017." The House bill contained no similar provision. The Senate recedes.

Review of proposed ground-based midcourse defense system contract

The House bill contained a provision (sec. 1688) that would prohibit the Director of the Missile Defense Agency from changing the contracting strategy for the systems integration, operations, and test of the Ground-based Midcourse Defense (GMD) system until 30 days after the report specified at the end of this provision is submitted to the congressional defense committees. The provision would further require the Director of Cost Assessment and Program Evaluation (CAPE) to conduct a review of the contract for the systems integration, operations,
and test of the GMD system and submit such review to the Under Secretary of Defense for Research and Engineering and the Missile Defense Executive Board. Finally, the provision would require the Under Secretary of Defense for Research and Engineering and the Missile Defense Executive Board to submit a report to the congressional defense committees within 30 days after the review is received that includes the review itself, without change, and any views and recommendations of the Under Secretary and the Board on the review.

The Senate amendment contained no similar provision.

The House recedes.

**Short title**

The House bill contained a provision (sec. 1699D) that would establish the subtitle as the Advancing America’s Missile Defense Act of 2017.

The Senate amendment contained no similar provision.

The House recedes.

**Evaluation and evolution of terrestrial ground-based midcourse defense sensors**

The House bill contained a provision (sec. 1699H) that would require the Director of the Missile Defense Agency to submit a report on the status of the integrated layers of missile defense radars, including the Long Range Discrimination Radar and Cobra Dane.

The Senate amendment contained no similar provision.

The House recedes.

The conferees are aware of the critical sensor coverage that the Cobra Dane radar provides to the Ballistic Missile Defense System in the tracking of threatening ballistic missiles, as well as its role in space surveillance and identification of space objects, but that it confronts growing sustainment and obsolescence challenges. Additionally, the conferees support the deployment of the Long Range Discrimination Radar (LRDR) for improved persistent long-range midcourse discrimination, precision tracking, and hit assessment of threat ballistic missiles, but acknowledge that the LRDR is not a one-for-one replacement for the Cobra Dane radar. In addition, the conferees are concerned that, as the Air Force's new space fence radar becomes operational in 2020, the Air Force will not need the capabilities of the Cobra Dane radar for space surveillance. The conferees remain concerned about the lack of a comprehensive and credible plan for cost-effective investments.
in technology refresh to maximize Cobra Dane's reliability and minimize life cycle costs.

Therefore, the conferees direct the Secretary of the Air Force, in coordination with the Director of the Missile Defense Agency and the Commander of U.S. Northern Command, to submit to the congressional defense committees concurrently with the fiscal year 2019 budget request, a report on the long-term operation and sustainment of Cobra Dane. The report should characterize Cobra Dane's current operational availability and sustainment challenges and include a detailed comparison of the capabilities of the LRDR and the Cobra Dane radar, to include the unique capabilities of each radar, the common capabilities of each radar, and the advantages and disadvantages of each radar's location. It should also include a plan, with an associated cost estimate and funding profile across the future years defense program, for meeting the military's requirements through alternative radar solutions or the continued operation and maintenance of the Cobra Dane radar. Plans for sustainment of the Cobra Dane radar should address obsolescence challenges and expediting and smoothing investments in priority refresh projects, such as transmitter group replacement, automated data processing equipment rehost, and traveling wave tube redesign in fiscal year 2019 and over the future years defense program. Finally, the report should outline the costs, and how they will be shared, to maintain operational access and sustainment of Shemya Island, on which the radar resides. The conferees also direct the Comptroller General of the United States to review the plan described above and submit a report to the congressional defense committees on such a review, including findings and recommendations, not later than 90 days after the release of the fiscal year 2019 budget request.

Sense of Congress on establishing an award program for the cyber community of the Department of Defense

The Senate amendment contained a provision (sec. 6602) that would express the sense of Congress that the Secretary of Defense should consider establishing an award program for employees of the Department of Defense who carry out the cyber missions or functions of the Department. The House bill contained no similar provision. The Senate recedes.

Report on integration of modernization and sustainment of nuclear triad
The Senate amendment contained a provision (sec. 6607) that would require the Under Secretary of Defense for Acquisition, Technology, and Logistics, in coordination with the Secretary of the Navy and the Secretary of the Air Force, to submit a report to the congressional defense committees on the potential to achieve greater efficiency by integrating elements of acquisition programs related to the modernization and sustainment of the nuclear triad.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the Secretary of Defense has called for “horizontal integration across DoD components to improve efficiency and take advantage of economies of scale.” The conferees urge the Navy, the Air Force, the Missile Defense Agency, and other components of the Department of Defense and wider U.S. Government to work together to increase integration, co-location, and commonality where appropriate between acquisition programs to improve efficiency and effectiveness for programs related to nuclear forces, large diameter missiles and rockets, and other pertinent capabilities.

Report on progress made in implementing the Cyber Excepted Personnel System

The Senate amendment contained a provision (sec. 11605) that would amend section 1599f(h)(2) of title 10, United States Code, by adding a new subparagraph that would require an assessment of the progress made in implementing the Cyber Excepted Personnel System.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Secretary of Defense to brief the Committees on Armed Services of the Senate and the House of Representatives, no later than 180 days after the date of enactment of this Act, on the process made in implementing the Cyber Excepted Personnel System.

TITLE XVII—SMALL BUSINESS PROCUREMENT AND INDUSTRIAL BASE MATTERS

Amendments to HUBZone provisions of the Small Business Act (sec. 1701)

The Senate amendment contained a provision (sec. 899C) that would expand the pool of eligible communities for the Small Business Administration’s (SBA) Historically Underutilized
Business Zone (HUBZone) program and provides much-needed flexibility to rural small businesses participating in the program. This provision would allow governors to directly petition SBA to designate additional rural areas as HUBZones; would reduce the number of a small firm’s employees required to live within a HUBZone from 35 to 33 percent; and would require SBA’s HUBZone office to make a decision on a governor’s application within 60 days.

The House bill contained no similar provision.

The House recedes with an amendment that would change the nonmetropolitan county formula, currently used for the SBA HUBZone program, to the State medium income; this would allow more than 1,000 more HUBZone areas to qualify for the program. It would create new performance metrics for the SBA HUBZone program; it would also require the SBA to conduct biennial and random program examinations, and if a firm loses certification due to an examination, it would have 30 days to submit documentation to the SBA reestablishing certification. It would require the SBA to process HUBZone applications within 60 days after submission; require firms to recertify every 3 years; consolidate the HUBZone statutes from section 3 (definitions) and section 31 (HUBZone program) into the HUBZone program section. It would also establish a new time model for the HUBZone program, recalculating in 5-year increments starting in 2020; requiring the establishment of a new HUBZone map that will refresh every 5-years (starting in 2020). It would allow State governors to petition the SBA to certify as a HUBZone in an area that would otherwise not qualify; would require the SBA to maintain a list of qualified firms online; update appropriations language to 2020; and would ensure that Base Realignment and Closure (BRAC) areas maintain their HUBZone status for a certain number of years. Finally, this provision would keep current qualified and redesignated firms eligible until January 1, 2020; and in 2020, the rest of the provision will be enacted moving the HUBZone program into its proposed 5-year cycle.

Uniformity in procurement terminology (sec. 1702)

The House bill contained a provision (sec. 1702) that would amend section 3(m) of the Small Business Act (15 U.S.C. 632(m)) and section 15(j) of the Small Business Act (15 U.S.C. 644(j)) to update procurement terminology consistent with the Federal Acquisition Regulation and with terminology used in titles 10 and 41, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes.
Improving reporting on small business goals (sec. 1703)

The House bill contained a provision (sec. 1701) that would amend section 15(h) of the Small Business Act (15 U.S.C. 644(h)) to require the Small Business Administration, using data already required to be collected from contractors, to track companies that outgrow or no longer qualify for a small business program, as well as identify how prime contracting goals are met.

The Senate amendment contained no similar provision.
The Senate recedes.

Responsibilities of Business Opportunity Specialists (sec. 1704)

The House bill contained a provision (sec. 1704) that would amend section 4(g) of the Small Business Act (15 U.S.C. 633(g)) to add a job description and reporting hierarchy for business opportunity specialists of the Small Business Administration.

The Senate amendment contained no similar provision.
The Senate recedes.

Responsibilities of commercial market representatives (sec. 1705)

The House bill contained a provision (sec. 1703) that would amend section 4(h) of the Small Business Act (15 U.S.C. 633(h)) to provide a clear definition of the duties and responsibilities of the commercial market representatives employed by the Small Business Administration.

The Senate amendment contained a similar provision (sec. 10801).
The House recedes.

Modification of past performance pilot program to include consideration of past performance with allies of the United States (sec. 1706)

The House bill contained a provision (sec. 1741) that would amend section 8(d)(17) of the Small Business Act (15 U.S.C. 637(d)(17)) to require that the past performance pilot program authorized in section 8(d) of the Small Business Act allow small businesses to submit performance of a contract for a sale of defense items to the Government of a North Atlantic Treaty Organization (NATO) ally, the Government of a major non-NATO ally, or the government of a country with which the United
States has a defense cooperation agreement for consideration for a past performance rating.
  The Senate amendment contained no similar provision.
  The Senate recedes.

*Notice of cost-free Federal procurement technical assistance in connection with registration of small business concerns on procurement websites of the Department of Defense (sec. 1707)*

The House bill contained a provision (sec. 867) that would require the Secretary of Defense to establish procedures to include information about cost-free services provided by a Federal procurement technical assistance program in notices or direct communications regarding the registration of a small business on a Department of Defense procurement website.

The Senate amendment contained no similar provision.
The Senate recedes.

*Inclusion of SBIR and STTR programs in technical assistance (sec. 1708)*

The House bill contained a provision (sec. 860B) that would amend section 2418(c) of title 10 to authorize Procurement Technical Assistance Centers, established pursuant to the Procurement Technical Assistance Program administered by the Defense Logistics Agency, to assist eligible small business owners in pursuing opportunities during all phases of the Small Business Innovation Research and Small Business Technology Transfer programs, which enable small businesses to engage in federal research and development that has the potential for commercialization.

The Senate amendment contained no similar provision.
The Senate recedes.

*Requirements relating to competitive procedures and justification for awards under the SBIR and STTR programs (sec. 1709)*

The Senate amendment contained a provision (sec. 897) that would amend section 9(r)(4) of the Small Business Act (15 U.S.C. 638(r)(4)). The provision would clarify that the issuance of Phase III awards should give preference to the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) award recipients who developed the technology. This provision would also clarify that SBIR and STTR award recipients should fulfill the competition requirements under
section 2304 of title 10, United States Code, for military procurement.

The House bill contained no similar provision.

The House recedes with an amendment that would make conforming amendments to the Competition in Contracting Act (Public Law 98-369).

Pilot program for streamlined technology transition from the SBIR and STTR programs of the Department of Defense (sec. 1710)

The Senate amendment contained a provision (sec. 898) that would require the Secretary of Defense to establish a pilot program for the commercialization of products and services produced by covered small business concerns developed through the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs. This provision would encourage the Secretary of Defense to set up a multiple award contract for those products and services. The pilot program would terminate on September 30, 2023.

The House bill contained no similar provision.

The House recedes.

Pilot program on strengthening manufacturing in the defense industrial base (sec. 1711)

The Senate amendment contained a provision (sec. 862) that would create a pilot program that would authorize the Department of Defense to use existing authorities to support investments that enhance the ability of the defense industrial base to meet military needs. The provision would also authorize the Department to invest in the manufacture of these kinds of technologies and systems, especially through the use of contracts, loan guarantees, direct loans, and purchases of equipment to support the startup of needed production lines. Further, the provision would allow the Department to engage with private sector financing and investment instruments, including instruments that take equity stakes in concerns, so as to support needed advanced manufacturing capabilities.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify the authorities to be considered under the pilot program.

Review regarding applicability of foreign ownership, control, or influence requirements of National Industrial Security Program to national technology and industrial base companies (sec. 1712)
The Senate amendment contained a provision (sec. 861) that would require the Secretary of Defense to review whether companies whose ownership is based in countries that are part of the national technology and industrial base (as defined by section 2500 of title 10, United States Code) should be exempted from the foreign ownership, control, or influence (FOCI) requirements of the National Security Industrial Program. This provision would also allow the Secretary of Defense, with the concurrence of the Secretary of State, to maintain a list of companies whose ownership is based in countries that are part of the national technology and industrial base that are eligible for such an exemption from FOCI.

The House bill contained no similar provision.

The House recedes with an amendment that would make technical amendments and require consultation with the Director of the Information Security Oversight Office.

Report on sourcing of tungsten and tungsten powders from domestic producers (sec. 1713)

The House bill contained a provision (sec. 877) that would require the Secretary of Defense to submit to the congressional defense committees a report on the procurement of tungsten and tungsten powders for military applications not later than one year after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Report on utilization of small business concerns for Federal contracts (sec. 1714)

The Senate amendment contained a provision (sec. 14012) that would require the Administrator of the Small Business Administration to submit to the Committee on Small Business and Entrepreneurship of the Senate and the Committee on Small Business of the House of Representatives a report on whether small business concerns are being utilized in a significant portion of the Federal market on multiple award contracts and a determination as to whether performance requirements for multiple award contracts are feasible and appropriate for small business concerns.

The House bill contained no similar provision.

The House recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

Office of Women's Business Ownership
The House bill contained a provision (sec. 1711) that would amend section 29(g) of the Small Business Act (15 U.S.C. 656(g)) to clarify the duties of the Small Business Administration’s Office of Women's Business Ownership and require that the office establish an accreditation program for its grant recipients.

The Senate amendment contained no similar provision.

The House recedes.

Women's Business Center Program

The House bill contained a provision (sec. 1712) that would amend section 29 of the Small Business Act (15 U.S.C. 656), relating to the Women's Business Center Program, to provide definitions of key terms relating to eligibility; adjust the statutory cap on grants and requirement for matching funds by $0.035 million; establish a mechanism for use of unobligated grant funds at the end of the fiscal year; and improve oversight of grant recipients. This section also would require longer term planning, provide for continued authorization levels, and improve the application process.

The Senate amendment contained no similar provision.

The House recedes.

Matching requirements under Women's Business Center Program

The House bill contained a provision (sec. 1713) that would amend section 29 of the Small Business Act (15 U.S.C. 656), relating to the Women's Business Center Program, to limit the ability of the Administrator of the Small Business Administration to waive the requirement for matching funds by grant recipients. It also would provide that excess non-Federal dollars obtained by a grant recipient would not be subject to part 200 of title 2, Code of Federal Regulations, or any successor regulations.

The Senate amendment contained no similar provision.

The House recedes.

SCORE reauthorization

The House bill contained a provision (sec. 1721) that would amend section 20 of the Small Business Act (15 U.S.C. 631 note) to authorize the SCORE program through fiscal year 2019, and to permit the current level of appropriations to extend through that period.

The Senate amendment contained no similar provision.
The House recedes.

SCORE program

The House bill contained a provision (sec. 1722) that would amend sections 8(b) and 8(c) of the Small Business Act (15 U.S.C. 637(b)-(c)) to rename the Service Corps of Retired Executives program as the “SCORE” program. This provision would provide definitions for terms used in the SCORE program, require an annual report on the effectiveness of the program, and direct the Small Business Administration to establish standards protecting the information of entrepreneurs counseled by SCORE. Finally, this provision would direct SCORE to utilize webinars and electronic mentoring as a way to increase SCORE's presence, and to engage in longer term strategic planning.

The Senate amendment contained no similar provision.

The House recedes.

Online component

The House bill contained a provision (sec. 1723) that would amend section 8(c) of the Small Business Act (15 U.S.C. 637(c)) to require SCORE to utilize webinars and electronic mentoring as a way to increase SCORE's presence. The provision would further require SCORE to provide a report to the Senate Committee on Small Business and Entrepreneurship and the House Committee on Small Business regarding the results of the online component requirement.

The Senate amendment contained no similar provision.

The House recedes.

Study and report on the future role of the SCORE program

The House bill contained a provision (sec. 1724) that would require SCORE to engage in long-term strategic planning for how the program will evolve to meet the needs of America's entrepreneurs over the next 5 years.

The Senate amendment contained no similar provision.

The House recedes.

Technical and conforming amendments

The House bill contained a provision (sec. 1725) that would make technical and conforming amendments to the Small Business Act (15 U.S.C. 631) reflective of other changes made in this title, such as the changing of name of program from Services Corps of Retired Executives to SCORE.
The Senate amendment contained no similar provision.  
The House recedes.

Use of authorized entrepreneurial development programs

The House bill contained a provision (sec. 1731) that would amend the Small Business Act (15 U.S.C. 631) by creating a new section to prohibit the Administrator of the Small Business Administration (SBA) from using unauthorized programs to deliver entrepreneurial development assistance. This provision would also require the Administrator to issue a report to the Committee on Small Business of the House of Representatives and the Senate detailing all entrepreneurial development activities to ensure taxpayer dollars are being spent wisely and efficiently.  
The Senate amendment contained no similar provision.  
The House recedes.

Marketing of services

The House bill contained a provision (sec. 1732) that would amend section 21 of the Small Business Act (15 U.S.C. 648) by creating a new subsection to provide more flexibility to Small Business Development Centers to market and advertise their products and services. 
The Senate amendment contained no similar provision.  
The House recedes.

Data collection

The House bill contained a provision (sec. 1733) that would amend section 21(a)(3)(A) of the Small Business Act (15 U.S.C. 648(a)(3)(A)) to require the Administrator of the Small Business Administration to collaborate with the Association of Small Business Development Centers, which acts as a resource partner, on the development of data collection documents. The provision would further create a new subsection that requires an annual report to the Committee on Small Business of the House of Representatives and the Senate on data collection activities and establishes a working group on data collection. 
The Senate amendment contained no similar provision.  
The House recedes.

Fees from private partnerships and cosponsorships
The House bill contained a provision (sec. 1734) that would further amend Section 21(a)(3) of the Small Business Act (15 U.S.C. 648(a)(3)(C)), as amended by section 104, to allow Small Business Development Centers to collect fees for the operation of partnerships and cosponsorships, which is currently not permissible.

The Senate amendment contained no similar provision.

The House recedes.

Equity for small business development centers

The House bill contained a provision (sec. 1735) that would amend section 21(a)(4)(C)(v) of the Small Business Act (15 U.S.C. 648(a)(4)(C)(v)) to increase by $100,000 the authorized funding level that could be used by the Administrator of the Small Business Administration to pay the Association of Small Business Development Centers for accreditation services, which would help to ensure enhanced Small Business Development Centers across the United States.

The Senate amendment contained no similar provision.

The House recedes.

Confidentiality requirements

The House bill contained a provision (sec. 1736) that would amend Section 21(a)(7)(A) of the Small Business Act (15 U.S.C. 648(a)(7)(A)) to prohibit the Small Business Administration from sharing Small Business Development Center client information with third parties.

The Senate amendment contained no similar provision.

The House recedes.

Limitation on award of grants to small business development centers

The House bill contained a provision (sec. 1737) that would amend Section 21 of the Small Business Act (15 U.S.C. 648) by creating a new subsection that prohibits entities other than higher education institutions from becoming a Small Business Development Center grantee. The provision also would provide an exception to those non-higher education entities that are currently operating in the program. The provision would also clarify that Women's Business Centers may receive funds from Small Business Development Center lead centers to act as subgrantees.

The Senate amendment contained no similar provision.

The House recedes.
TITLE XVIII—GOVERNMENT PURCHASE AND TRAVEL CARDS

Government purchase and travel cards (secs. 1801-1806)

The Senate amendment contained six provisions (secs. 1077-1082) to curb improper payments that together would require the Director of the Office of Management and Budget to expand the use of data analytics; to issue guidance to improve information sharing; and to establish an interagency charge card data management group; and would require the Administrator for General Services to report on implementation of these activities.

The House bill contained no similar provision.

The House recedes, with several technical/clarifying amendments.

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

Summary

Division B of this Act authorizes funding for military construction projects of the Department of Defense. It includes funding authorizations for the construction and operation of military family housing as well as military construction for the reserve components, the defense agencies, and the North Atlantic Treaty Organization Security Investment Program. It also provides authorization for the base closure accounts that fund military construction, environmental cleanup, and other activities required to implement the decisions in base closure rounds. The tables contained in this Act provide the project-level authorizations for the military construction funding authorized in Division B of this Act and summarize that funding by account.

Short title (sec. 2001)

The House bill contained a provision (sec. 2001) that would cite division B of this Act as the "Military Construction Authorization Act for Fiscal Year 2018."

The Senate amendment contained an identical provision (sec. 2001).

The conference agreement includes this provision.
Expiration of authorizations and amounts required to be specified by law (sec. 2002)

The House bill contained a provision (sec. 2002) that would ensure that the authorizations provided in titles XXI through XXVII and title XXIX of the House bill would expire on October 1, 2020, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2021, whichever is later.

The Senate amendment contained a similar provision (sec. 2002) that would extend the authorization until October 1, 2022, or the date of enactment of an Act authorizing funds for military construction for fiscal year 2023, whichever is later.

The House recedes.

Effective date (sec. 2003)

The House bill contained a provision (sec. 2003) that would provide that titles XXI through XXVII and title XXIX of this Act would take effect on October 1, 2017, or the date of the enactment of this Act, whichever is later.

The Senate amendment contained an identical provision (sec. 2003).

The conference agreement includes this provision.

**TITLE XXI—ARMY MILITARY CONSTRUCTION**

Summary

The budget request included $920.4 million for military construction and $529.3 million for family housing for the Army in fiscal year 2018.

The conference agreement includes authorization of appropriations of $982.8 million for military construction and $529.3 million for family housing for the Army in fiscal year 2018.

The agreement includes authorization for three projects from the Army’s unfunded requirements list. These projects include: $33.0 million for a Vehicle Maintenance Shop at Fort Hood, Texas; $25.0 million for an Operational Readiness Training Complex at Pohakulo Training Area, Hawaii; and $10.8 million for an Air Traffic Control Tower at Fort Benning, Georgia.

In addition, the agreement recommends reduction of funding for a project contained in the base budget request for military construction and family housing and recommends a transfer of
this project to the Overseas Contingency Operations title of this Act. This reduction is:

(1) $6.4 million for the Forward Operating Site at an unspecified location in Turkey. The budget request included $6.4 million to support the expansion of Life and Mission support facilities for U.S. and host-nation personnel at a Missile Defense forward operating site (FOS). The conferees support this requirement. However, the agreement recommends no funds in the base budget, a reduction of $6.4 million, for this project in order to transfer this project to Title XXIX, Overseas Contingency Operations Military Construction.

**Authorized Army construction and land acquisition projects (sec. 2101)**

The House bill contained a provision (sec. 2101) that would authorize military construction projects for the active component of the Army for fiscal year 2018. The authorized amount is listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2101).

The Senate recedes with a technical amendment.

**Family housing (sec. 2102)**

The House bill contained a provision (sec. 2102) that would authorize new construction and planning and design of family housing units for the Army for fiscal year 2018.

The Senate amendment contained a similar provision (sec. 2102).

The Senate recedes with technical amendment.

**Improvements to military family housing units (sec. 2103)**

The House bill contained a provision (sec. 2103) that would authorize the Secretary of the Army to make improvements to existing units of family housing for fiscal year 2018.

The Senate amendment contained no similar provision.

The Senate recedes.

**Authorization of appropriations, Army (sec. 2104)**

The House bill contained a provision (sec. 2104) that would authorize appropriations for Army military construction at the levels identified in section 4601 of division D of this Act.
The Senate amendment contained a similar provision (sec. 2103).

The Senate recedes.

Modification of authority to carry out certain fiscal year 2014 project (sec. 2105)

The House bill contained a provision (sec. 2105) that would modify the authorization contained in section 2101(a) of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113-66) for construction of an airfield operations complex at Joint Base Lewis-McChord, Washington, to include a standby generator capacity of 1,000 kilowatts.

The Senate amendment contained an identical provision (sec. 2104).

The conference agreement includes this provision.

Modification of authority to carry out certain fiscal year 2015 project (sec. 2106)

The House bill contained a provision (sec. 2106) that would modify the authorization contained in section 2101(a) of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113-291) for construction of a command and control facility at Fort Shafter, Hawaii, to include construction of 15 megawatts of redundant power generation.

The Senate amendment contained an identical provision (sec. 2105).

The conference agreement includes this provision.

Extension of authorization of certain fiscal year 2014 project (sec. 2107)

The House bill contained a provision (sec. 2107) that would extend the authorization of a certain project originally authorized by section 2101 of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113-66) until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

The Senate amendment contained a similar provision (sec. 2106).

The Senate recedes.

Extension of authorizations of certain fiscal year 2015 projects (sec. 2108)
The House bill contained a provision (sec. 2108) that would extend the authorization of a certain project originally authorized by section 2101 of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113-66) until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

The Senate amendment contained an identical provision (sec. 2107).

The conference agreement includes this provision.

Additional authority to carry out certain fiscal year 2000, 2005, 2006, and 2007 projects (sec. 2109)

The House bill contained a provision (sec. 2109) that would provide additional authority to carry out certain fiscal year 2000, 2005, 2006, and 2007 projects.

The Senate amendment contained no similar provision.

The Senate recedes.

**TITLE XXII—NAVY MILITARY CONSTRUCTION**

**Summary**

The budget request included $1.6 billion for military construction and $411.9 million for family housing for the Navy in fiscal year 2018.

The conference agreement includes authorization of appropriations of $1.7 billion for military construction and $411.9 million for family housing for the Navy in fiscal year 2018.

The agreement includes authorization for six projects from the Navy’s unfunded requirements list. These projects include: $47.6 million for a F-35 Simulator Facility at Miramar, California; $43.3 million for a Combat Vehicle Warehouse at Albany, Georgia; $36.0 million for an Undersea Rescue Command Operations Building at Coronado, California; $26.5 million for Mokapu Gate Entry Control AT/FP Compliance at Kaneohe Bay, Hawaii; and $23.7 million for a TBS Fire Station Building 533 Replacement at Quantico, Virginia.

In addition, the agreement recommends reduction of funding for a project contained in the budget request submitted by the Department of the Navy for military construction and family housing. This reduction is:

1. $60.0 million for Washington Navy Yard antiterrorism/force protection at the Washington Navy Yard,
District of Columbia. The budget request included $60.0 million to enable protection of critical assets from explosive threats, acoustic and electronic surveillance and encroachment. The conferees believe the Navy has not fully explored all alternatives to address antiterrorism and force protection issues at the Washington Navy Yard, and does not believe it is cost-effective or appropriate for taxpayers to pay for land acquisition to support the construction of a privately funded museum. Therefore, the agreement recommends no funds, a reduction of $60.0 million, for this project.

In addition, the agreement recommends reduction of funding for a project contained in the base budget request submitted by the Department of the Navy for military construction and family housing and recommends a transfer of this projects to the Overseas Contingency Operations title of this Act. This reduction is:

(1) $13.39 million for an Aircraft Parking Apron Expansion at Camp Lemonnier, Djibouti. The budget request included $13.39 million to support transient and steady-state aircraft parking requirements. The conferees support this requirement. However, the agreement recommends no funds in the base budget, a reduction of $13.39 million, for this project in order to transfer this project to Title XXIX, Overseas Contingency Operations Military Construction.

**Authorized Navy construction and land acquisition projects (sec. 2201)**

The House bill contained a provision (sec. 2201) that would contain the list of authorized Navy construction projects for fiscal year 2018. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2201).

The Senate recedes with a technical amendment.

**Family housing (sec. 2202)**

The House bill contained a provision (sec. 2202) that would authorize new construction and planning and design of family housing units for the Department of the Navy for fiscal year 2018.

The Senate amendment contained a similar provision (sec. 2202).

The Senate recedes with a technical amendment.
Improvements to military family housing units (sec. 2203)

The House bill contained a provision (sec. 2203) that would authorize the Secretary of the Navy to make improvements to existing units of family housing for fiscal year 2018.

The Senate amendment contained an identical provision (sec. 2203).

The conference agreement includes this provision.

Authorization of appropriations, Navy (sec. 2204)

The House bill contained a provision (sec. 2204) that would authorize appropriations for Navy military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained an identical provision (sec. 2204).

The conference agreement includes this provision.

Extension of authorizations for certain fiscal year 2014 projects (sec. 2205)

The House bill contained a provision (sec. 2205) that would extend the authorization of certain projects originally authorized by section 2201 of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113-66) until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

The Senate amendment contained an identical provision (sec. 2205).

The conference agreement includes this provision.

Extension of authorizations of certain fiscal year 2015 projects (sec. 2206)

The House bill contained a provision (sec. 2206) that would extend the authorization of certain projects originally authorized by section 2201 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113-291) until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

The Senate amendment contained a similar provision (sec. 2206).

The House recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED
Modification of authority to carry out certain fiscal year 2016 project

The House bill contained a provision (sec. 2207) that would modify the authorization of certain projects originally authorized by section 2201 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114-92) until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

The Senate amendment contained no similar provision.

The House recedes.

**TITLE XXIII—AIR FORCE MILITARY CONSTRUCTION**

**Summary**

The budget request included $1.74 billion for military construction and $403.4 million for family housing for the Air Force in fiscal year 2018. The conference agreement includes authorization of appropriations of $1.68 billion for military construction and $395.4 million for family housing for the Air Force in fiscal year 2018.

The agreement includes authorization for seven projects from the Air Force’s unfunded requirements list. These projects include: $56.4 million for military construction planning and design; $44.0 million for Dormitories (288 RM) at Eglin Air Force Base, Florida; $20.0 million for a Dormitory (168 PN) at Little Rock Air Force Base, Arkansas; $17.0 million for a fire station at Tyndall Air Force Base, Florida; $16.0 million for a Fire Rescue Center at Altus Air Force Base, Oklahoma; $9.3 million for a Fire Station at Kirtland Air Force Base, New Mexico; and $6.8 million for a Fire/Crash Rescue Station at Wright-Patterson Air Force Base, Ohio.

The agreement also recommends reduction of funding for projects contained in the budget request submitted by the Department of the Air Force for military construction and family housing. These reductions include:

1. $154.0 million for the Presidential Aircraft Recap Complex at Joint Base Andrews, Maryland. This budget request included $254.0 million to construct a complex to support the beddown of the new aircraft for the Presidential Airlift Group. The conferees support the requirement for this project and provides the full project authorization of $254.0 million included in the budget request. However, the conferees support the authorization of appropriations in an amount
equivalent to the ability of the Department to execute in the year of the authorization for appropriations. For this project, the conferees believe that the Department of Defense has exceeded its ability to fully expend the funding in fiscal year 2018. Therefore, the agreement recommends $100.0 million, a reduction of $154.0 million, and incremental funding for this project.

(2) $6.4 million for the KC-46A ALTER B181/185/187 Squad OPS/AMU at Travis Air Force Base, California. While the conferees support the requirement for this project, the conferees believe the project is early-to-need based on the arrival of the first KC-46A at Travis in approximately fiscal year 2022. Therefore, the agreement recommends no funding, a reduction of $6.4 million, for this project.

(3) $1.4 million for the KC-46A ADAL B14 Fuel Cell Hangar at Travis Air Force Base, California. While the conferees support the requirement for this project, the conferees believe the project is early-to-need based on the arrival of the first KC-46A at Travis in approximately fiscal year 2022. In addition, the conferees note that this project can be addressed using the unspecified minor construction authorities provided in section 2805 of title 10, United States Code. Therefore, the agreement recommends no funding, a reduction of $1.4 million, for this project.

Finally, the agreement recommends reduction of funding for several projects contained in the base budget request submitted by the Department of the Air Force for military construction and family housing and recommends a transfer of these projects to the Overseas Contingency Operations title of this Act. These reductions include:

(1) $27.325 million for a Guardian Angel Operations Facility at Aviano Air Base, Italy. The budget request included $27.325 million to support the relocation of search and rescue operations to Aviano Air Base, Italy. The conferees support this requirement. However, the agreement recommends no funds in the base budget, a reduction of $27.325 million, for this project in order to transfer this project to Title XXIX, Overseas Contingency Operations Military Construction.

(2) $25.977 million for a 216 Person Dormitory at Incirlik Air Base, Turkey. The budget request included $25.977 million to construct a dormitory to support security forces and required response times. The conferees support this requirement. However, the agreement recommends no funds in the base budget, a reduction of $25.977 million, for this project in order to transfer this project to Title XXIX, Overseas Contingency Operations Military Construction.
(3) $15.0 million for a Consolidated Squadron Operations Facility at Al Udeid Air Base, Qatar. The budget request included $15.0 million to support the consolidation of administration and management functions from separated temporary facilities into a consolidated permanent facility that is properly sized and configured. The conferees support this requirement. However, the agreement recommends no funds in the base budget, a reduction of $15.0 million, for this project in order to transfer this project to Title XXIX, Overseas Contingency Operations Military Construction.

Authorized Air Force construction and land acquisition projects (sec. 2301)

The House bill contained a provision (sec. 2301) that would contain the list of authorized Air Force construction projects for fiscal year 2018. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2301).

The Senate recedes with a technical amendment.

Family housing (sec. 2302)

The House bill contained a provision (sec. 2302) that would authorize new construction and planning and design of family housing units for the Air Force for fiscal year 2018. The Senate amendment contained an identical provision (sec. 2302).

The conference agreement includes this provision.

Improvements to military family housing units (sec. 2303)

The House bill contained a provision (sec. 2303) that would authorize the Secretary of the Air Force to make improvements to existing units of family housing for fiscal year 2018. The Senate amendment contained an identical provision (sec. 2303).

The conference agreement includes this provision.

Authorization of appropriations, Air Force (sec. 2304)

The House bill contained a provision (sec. 2304) that would authorize appropriations for Air Force military
construction at the levels identified in section 4601 of division D of this Act.
   The Senate amendment contained an identical provision (sec. 2304).
   The conference agreement includes this provision.

Modification of authority to carry out certain fiscal year 2017 projects (sec. 2305)

   The House bill contained a provision (sec. 2305) that would modify the authority provided by section 2301 of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114-328) and authorize the Secretary of the Air Force to make certain modifications to the scope of previously authorized construction projects.
   The Senate amendment contained a similar provision (sec. 2305).
   The Senate recedes.

Extension of authorizations of certain fiscal year 2015 projects (sec. 2306)

   The House bill contained a provision (sec. 2306) that would extend the authorization of certain projects originally authorized by section 2301 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113-291) until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.
   The Senate amendment contained an identical provision (sec. 2306).
   The conference agreement includes this provision.

TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION

Summary

   The budget request included $3.12 billion for military construction and $62.5 million for family housing for defense agencies in fiscal year 2018.
   The conference agreement includes authorization of appropriations of $2.94 billion for military construction and $62.5 million for family housing for defense agencies in fiscal year 2018.
The agreement recommends an increase of funding for a program contained in the budget request submitted by the Department of Defense for military construction and family housing. This increase includes:

1. $15.0 million for the Energy Resiliency and Conservation Investment Program. The budget request included $150.0 million for the Energy Resiliency and Conservation Investment Program. The conferees support investments that reduce mission risk by increasing energy resiliency at military installation. Therefore, the agreement recommends $165.0 million, an increase of $15.0 million, for this program in fiscal year 2018.

2. $200.0 million for Missile Field #4 at Fort Greely, Alaska. A budget amendment submitted by the Department of Defense included a request to support construction of 20 additional silos at Fort Greely. Therefore, the agreement recommends $200.0 million, an increase of $200.0 million, for this project in fiscal year 2018.

The agreement also recommends reduction of funding for projects contained in the budget request submitted by the Department of Defense for military construction and family housing. These reductions include:

1. $206.0 million for Next NGA West (N2W) Complex at St. Louis, Missouri. The budget request included $381.0 million to construct the first phase of a new complex for the National Geospatial-Intelligence Agency as it relocates to a new location in St. Louis, Missouri. The conferees support providing an authorization of appropriations for fiscal year 2018 only in an amount equivalent to the ability of the National Geospatial-Intelligence Agency to execute in the year of the authorization of appropriations. Therefore, the agreement recommends $175.0 million, a reduction of $206.0 million, and incremental funding for this project in fiscal year 2018.

2. $150.0 million for the Hospital Replacement at Fort Leonard Wood, Missouri. The budget request includes $250.0 million to construct the first phase of a replacement hospital at Fort Leonard Wood, Missouri. The conferees are aware that a $135.0 million second phase is also required to support the medical requirements at Fort Leonard Wood. The conferees believe it is more appropriate to authorize the full scope of a military construction requirement and provide incremental funding as opposed to bifurcating a construction project into separate phases. Therefore, the agreement recommends combining the two phases into a single project and provides a total authorization of $381.3 million for the Hospital Replacement at Fort Leonard Wood, Missouri. However, the conferees support providing an authorization of appropriations for fiscal year 2018 only in an
amount equivalent to the ability of the Defense Health Agency to execute in the year of the authorization of appropriations. Therefore, the agreement recommends $100.0 million, a reduction of $150.0 million, and incremental funding for this project in fiscal year 2018.

(3) $10.0 million for Contingency Construction at Unspecified Worldwide Locations. The budget request included $10.0 million to support contingency construction requirements not previously authorized by law. The conferees note that the Department of Defense has not requested a military construction project using funds from this account since 2008. In addition, the conferees note that unobligated balances remain available in the military construction account and other authorities exist to construct projects that are in keeping with a national security interest. As such, the agreement recommends no funds, a reduction of $10.0 million, for this program.

Finally, the agreement recommends reduction of funding for several projects contained in the base budget request submitted by the Department of Defense for military construction and family housing and recommends a transfer of these projects to the Overseas Contingency Operations title of this Act. These reductions include:

(1) $22.4 million to Construct Hydrant System at Naval Air Station Sigonella, Italy. The budget request included $22.4 million to replace an aging and inadequate jet fuel hydrant system and piping loop needed to support U.S. and North Atlantic Treaty Organization aircraft. The conferees support this requirement. However, the agreement recommends no funds in the base budget, a reduction of $22.4 million, for this project in order to transfer this project to Title XXIX, Overseas Contingency Operations Military Construction.

Authorized Defense Agencies construction and land acquisition projects (sec. 2401)

The House bill contained a provision (sec. 2401) that would contain the list of authorized defense agencies' construction projects for fiscal year 2018. The authorized amounts are listed on an installation-by-installation basis. The state list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2401).

The Senate recedes with a technical amendment.
Authorized energy resiliency and conservation projects (sec. 2402)

The House bill contained a provision (sec. 2402) that would authorize the Secretary of Defense to carry out energy resilience and conservation projects.

The Senate amendment contained a similar provision (sec. 2402).

The Senate recedes with an amendment that would authorize additional funding for energy resiliency conservation and investment projects.

Authorization of appropriations, Defense Agencies (sec. 2403)

The House bill contained a provision (sec. 2403) that would authorize appropriations for defense agencies' military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained an identical provision (sec. 2403).

The conference agreement includes this provision.

Modification of authority to carry out certain fiscal year 2017 project (sec. 2404)

The House bill contained a provision (sec. 2404) that would modify the authority provided by section 2401(b) of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114-328) and authorize the Secretary of Defense to make certain modifications to the scope of a previously authorized construction project.

The Senate amendment contained an identical provision (sec. 2404).

The conference agreement includes this provision.

Extension of authorizations of certain fiscal year 2014 projects (sec. 2405)

The House bill contained a provision (sec. 2405) that would extend the authorization of certain projects originally authorized by section 2401 of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113-66) until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

The Senate amendment contained an identical provision (sec. 2405).
The conference agreement includes this provision.

Extension of authorizations of certain fiscal year 2015 projects (sec. 2406)

The House bill contained a provision (sec. 2406) that would extend the authorization of certain projects originally authorized by section 2401 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113-291) until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

The Senate amendment contained a similar provision (sec. 2406).

The Senate recedes.

TITLE XXV—INTERNATIONAL PROGRAMS

Summary

The budget request included $154.0 million for military construction in fiscal year 2018 for the North Atlantic Treaty Organization (NATO) Security Investment Program. In addition, pursuant to agreement with the Republic of Korea, the budget request included a list of military construction projects to be funded as in-kind contributions by the Republic of Korea.

The conference agreement includes this amount for the North Atlantic Treaty Organization (NATO) Security Investment Program projects and the authorization to accept the military construction projects funded by the Republic of Korea.

SUBTITLE A—NORTH ATLANTIC TREATY ORGANIZATION SECURITY INVESTMENT PROGRAM

Authorized NATO construction and land acquisition projects (sec. 2501)

The House bill contained a provision (sec. 2501) that would authorize the Secretary of Defense to make contributions to the North Atlantic Treaty Organization Security Investment Program in an amount equal to the sum of the amount specifically authorized in section 2502 of this Act and the amount collected from the North Atlantic Treaty Organization as a result of construction previously financed by the United States.
The Senate amendment contained an identical provision (sec. 2501).
The conference agreement includes this provision.

Authorization of appropriations, NATO (sec. 2502)

The House bill contained a provision (sec. 2502) that would authorize appropriations for the North Atlantic Treaty Organization Security Investment Program at the levels identified in section 4601 of division D of this Act.
The Senate amendment contained an identical provision (sec. 2502).
The conference agreement includes this provision.

**SUBTITLE B—HOST COUNTRY IN-KIND CONTRIBUTIONS**

Republic of Korea funded construction projects (sec. 2511)

The House bill contained a provision (sec. 2511) that would authorize the Secretary of Defense to accept four military construction projects totaling $105.5 million pursuant to agreement with the Republic of Korea for required in-kind contributions.
The Senate amendment contained an identical provision (sec. 2511).
The conference agreement includes this provision.

Modification of authority to carry out certain fiscal year 2017 projects (sec. 2512)

The House bill contained a provision (sec. 2512) that would modify the authority provided by section 2511 of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114-328) and authorize the Secretary of Defense to make certain modifications to the scope of previously authorized construction projects.
The Senate amendment contained an identical provision (sec. 2512).
The conference agreement includes this provision.

**TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES**

*Summary*
The budget request included $574.7 million for military construction for National Guard and Reserve facilities for fiscal year 2018.

The conference agreement includes authorization of appropriations of $805.8 million for military construction for National Guard and Reserve facilities for fiscal year 2018.

The conference agreement includes authorization for sixteen projects from the National Guard and Reserve’s unfunded requirements list: $32.0 million for a Consolidated Mission Complex, Phase 2 at Robins Air Force Base, Georgia; $32.0 million for an Aircraft Maintenance Hangar (Addition) at Springfield, Missouri; $30.0 million for a Reserve Center at Lewis-McChord, Washington; $26.0 million for a Reserve Center at Fort Buchanan, Puerto Rico; $19.0 million for an Enlisted Barracks, Transient Training at Fort Leavenworth, Kansas; $15.0 million for a Readiness Center Add/Alt at Fort Belvoir, Virginia; $9.0 million for an Enlisted Barracks Transient Training at MTC Gowen, Idaho; $9.0 million for an Indoor Small Arms Range at Minneapolis-St. Paul International Airport, Minnesota; $8.5 million for a Vehicle Maintenance Instruction Facility at Camp Dodge, Iowa; $8.0 million to Construct Small Arms Range at Hulman Regional Airport, Indiana; $8.0 million to Construct Small Arms Range at Tulsa International Airport, Oklahoma; $8.0 million to Construct Small Arms Range at Jackson International Airport, Mississippi; $8.0 million to Construct Small Arms Range at Dane County Regional Airport/Truax Field, Wisconsin; and $3.1 million for a Munitions Training/Admin Facility at NAS JRB Fort Worth, Texas.

**SUBTITLE A—PROJECT AUTHORIZATIONS AND AUTHORIZATION OF APPROPRIATIONS**

**Authorized Army National Guard construction and land acquisition projects (sec. 2601)**

The House bill contained a provision (sec. 2601) that would contain the list of authorized Army National Guard construction projects for fiscal year 2018. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2601).

The Senate recedes with a technical amendment.
The House bill contained a provision (sec. 2602) that would contain the list of authorized Army Reserve construction projects for fiscal year 2018. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location. The Senate amendment contained a similar provision (sec. 2602).

The Senate recedes with a technical amendment.

The House bill contained a provision (sec. 2603) that would contain the list of authorized Navy Reserve and Marine Corps Reserve construction projects for fiscal year 2018. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location. The Senate amendment contained an identical provision (sec. 2603). The conference agreement includes this provision.

The House bill contained a provision (sec. 2604) that would contain the list of authorized Air National Guard construction projects for fiscal year 2018. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location. The Senate amendment contained a similar provision (sec. 2604). The Senate recedes with a technical amendment.

The House bill contained a provision (sec. 2605) that would contain the list of authorized Air Force Reserve construction projects for fiscal year 2018. The authorized amounts are listed on an installation-by-installation basis. The
State list contained in this Act is intended to be the binding list of the specific projects authorized at each location. The Senate amendment contained a similar provision (sec. 2605).

The Senate recedes.

**Authorization of appropriations, National Guard and Reserve (sec. 2606)**

The House bill contained a provision (sec. 2606) that would authorize appropriations for the National Guard and Reserve military construction at the levels identified in section 4601 of division D of this Act. The Senate amendment contained an identical provision (sec. 2606). The conference agreement includes this provision.

**SUBTITLE B—OTHER MATTERS**

**Modification of authority to carry out certain fiscal year 2015 project (sec. 2611)**

The House bill contained a provision (sec. 2611) that would modify the authority provided by section 2602 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113-291) to authorize the Secretary of the Army to make certain modifications to the scope of a previously authorized construction project. The Senate amendment contained an identical provision (sec. 2611). The conference agreement includes this provision.

**Extension of authorizations of certain fiscal year 2014 projects (sec. 2612)**

The House bill contained a provision (sec. 2612) that would extend the authorization of certain projects originally authorized by sections 2602, 2604, and 2605 of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113-66) until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later. The Senate amendment contained an identical provision (sec. 2612). The conference agreement includes this provision.
Extension of authorizations of certain fiscal year 2015 projects (sec. 2613)

The House bill contained a provision (sec. 2613) that would extend the authorization of certain projects originally authorized by sections 2602 and 2604 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113-291) until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

The Senate amendment contained a similar provision (sec. 2613).

The Senate recedes.

TITLE XXVII—BASE REALIGNMENT AND CLOSURE ACTIVITIES

Authorization of appropriations for base realignment and closure activities funded through Department of Defense base closure account (sec. 2701)

The House bill contained a provision (sec. 2701) that would authorize appropriations for ongoing activities that are required to implement the Base Realignment and Closure activities authorized by the Defense Base Closure and Realignment Act of 1990 (part A of title XXIX of Public Law 101-510), at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained an identical provision (sec. 2701).

The conference agreement includes this provision.

Prohibition on conducting additional base realignment and closure (BRAC) round (sec. 2702)

The House bill contained a provision (sec. 2702) that would affirm that nothing in this Act shall be construed to authorize an additional Base Realignment and Closure (BRAC) round.

The Senate amendment contained an identical provision (sec. 2702).

The conference agreement includes this provision.

LEGISLATIVE PROVISIONS NOT ADOPTED

Update to report on infrastructure capacity
The House bill contained a provision (sec. 2703) that would require the Secretary of Defense to prepare and release to the public an updated version of the March 2016 report on “Department of Defense Infrastructure Capacity”.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the updated version of the March 2016 report on “Department of Defense Infrastructure Capacity” was received by the congressional defense committees in October 2017.

TITLE XXVIII—MILITARY CONSTRUCTION AND GENERAL PROVISIONS

SUBTITLE A—MILITARY CONSTRUCTION PROGRAM AND MILITARY FAMILY HOUSING

Elimination of written notice requirement for military construction activities and reliance on electronic submission of notifications and reports (sec. 2801)

The House bill contained a provision (sec. 2801) that would modify sections of title 10, United States Code, to eliminate the submission of a notification in writing for certain infrastructure, facility, and real property related investments while maintaining the requirement that the notification be provided in an electronic medium pursuant to section 480 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes.

Modification of thresholds applicable to unspecified minor construction projects (sec. 2802)

The House bill contained a provision (sec. 2802) that would modify section 2805(a) of title 10, United States Code, to increase the unspecified minor military construction project threshold from $3.0 million to $6.0 million and to remove the differentiation between aforementioned unspecified minor military construction projects and “life-threatening, health-threatening, or safety-threatening” projects. This section would also modify section 2805(b) of title 10, United States Code, to decrease the unspecified minor military construction project advance approval threshold requirement for the service secretary concerned from $1.0 million to $750,000 and would increase the
threshold for use of operation and maintenance amounts to carry out an unspecified minor military construction project from $1.0 million to $2.0 million pursuant to section 2805(c) of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would increase the notification threshold to $2.0 million and require service secretary approval between $750,000 and $2.0 million.

**Annual locality adjustment of dollar thresholds applicable to unspecified minor military construction authorities (sec. 2803)**

The Senate amendment contained a provision (sec. 7804) that would allow the appropriate Secretary to adjust the dollar threshold for minor military construction projects inside the United States to reflect the local construction cost index for military construction projects.

The House bill contained no similar provision.

The House recedes with an amendment that would limit the threshold to $10.0 million and to locations inside the United States, including territories, commonwealths, and possessions of the United States.

**Extension of temporary, limited authority to use operation and maintenance funds for construction projects outside the United States (sec. 2804)**

The House bill contained a provision (sec. 2803) that would provide continued authority for the Secretary of Defense to use funds appropriated for Operation and Maintenance for military construction to meet temporary operational requirements during a time of declared war, national emergency, or contingency operation through the end of fiscal year 2018.

The Senate amendment contained a similar provision (sec. 2802).

The Senate recedes.

**Use of operation and maintenance funds for military construction projects to replace facilities damaged or destroyed by natural disasters or terrorism incidents (sec. 2805)**

The House bill contained a provision (sec. 2804) that would amend section 2854 of title 10, United States Code, to enable use of operation and maintenance funds to replace a facility damaged or destroyed by a natural disaster or a terrorism incident.

The Senate amendment contained no similar provision.
The Senate recedes.

**Annual report on unfunded requirements for laboratory military construction projects (sec. 2806)**

The Senate amendment contained a provision (sec. 10204) that would require the Under Secretary of Defense for Research and Engineering to submit to the congressional defense committees a report listing unfunded requirements on major and minor military construction projects for Department of Defense science and technologies laboratories and facilities and test and evaluation facilities.

The House bill contained no similar provision.

The House recedes with a technical amendment.

**SUBTITLE B—REAL PROPERTY AND FACILITIES ADMINISTRATION**

**Elimination of written notice requirement for military real property transactions and reliance on electronic submission of notifications and reports (sec. 2811)**

The House bill contained a provision (sec. 2811) that would amend several sections of title 10, United States Code, to eliminate the submission of a notification in writing for certain real property related transactions while maintaining the requirement that the notification be provided in an electronic medium pursuant to section 480 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes.

**Certification related to certain acquisitions or leases of real property (sec. 2812)**

The House bill contained a provision (sec. 2818) that would amend section 2662(a) of title 10, United States Code to ensure that there is not currently available space in the Department of Defense inventory that would meet the Department’s needs.

The Senate amendment contained an identical provision (sec. 7801).

The conference agreement includes this provision.

**Increased term limit for intergovernmental support agreements to provide installation support services (sec. 2813)**
The Senate amendment contained a provision (sec. 14011) that would increase the maximum term limit for intergovernmental support agreements from 5 to 10 years in order to encourage the use of such agreements.

The House bill contained no similar provision.

The House recedes.

Authorizing reimbursement of States for costs of suppressing wildfires caused by Department of Defense activities on State lands; restoration of lands of other Federal agencies for damage caused by Department of Defense vehicle mishaps (sec. 2814)

The House bill contained a provision (sec. 2816) that would amend section 2691 of title 10, United States Code, to allow the Secretary of Defense to reimburse a State for the reasonable costs of the State in suppressing wildland fires caused by the activities of the Department of Defense on State lands. In addition, this section would allow the Secretary of Defense to restore land under the administrative jurisdiction of another Federal agency when that land is damaged as the result of a mishap involving a vessel, aircraft, or vehicle of the Department of Defense. Finally, this section would also allow another Federal agency to restore land under the administrative jurisdiction of the Secretary of Defense or a military department if damaged as the result of a mishap involving a vessel, aircraft, or vehicle of a Federal agency that is not part of the Department of Defense.

The Senate amendment contained a similar provision (sec. 335).

The Senate recedes.

Criteria for exchanges of property at military installations (sec. 2815)

The House bill contained a provision (sec. 2813) that would amend section 2869 of title 10, United States Code, to allow for the exchange of real property located on a military installation when it is determined to be advantageous to the United States.

The Senate amendment contained no similar provision.

The Senate recedes.

Land exchange valuation of property with reduced development that limits encroachment on military installations (sec. 2816)

The Senate amendment contained a provision (sec. 2813) that would amend chapter 159 of title 10, United States Code, in
order to ensure that properties where development has been voluntarily restrained for the purpose of protecting military installations are fairly valued as part of any land swap between the Department of Defense and a public or private landowner.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Requirements for window fall prevention devices in military family housing (sec. 2817)

The House bill contained a provision (sec. 2815) that would amend chapter 169 of title 10, United States Code, to require the Secretaries of the military departments to provide for the installation of fall prevention devices in windows meeting specific requirements at all current military family housing units, including housing under the Military Housing Privatization Initiative, family housing owned by the military departments, family housing leased by the Department of Defense, as well as units acquired or constructed in the future. This provision would also require the Secretaries to brief the House Committee on Armed Services not later than 180 days after the date of the enactment of this Act on matters relating to the implementation of this section.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the installation of fall prevention devices in windows in all new and existing houses as they go through complete renovation. The amendment would also require an annual report on injuries sustained from falls out of windows, and a one-time report on what changes could be made to increase the safety of military housing.

Prohibiting use of updated assessment of public schools on Department of Defense installations to supersede funding of certain projects (sec. 2818)

The House bill contained a provision (sec. 2814) that would amend section 2814 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to ensure that the schools contained in the top 33 highest priority schools on the Department of Defense July 2011 assessment of public schools on military installations that have not yet received funding would not be superseded by an updated assessment. The provision would also encourage the Office of Economic Adjustment to work with school districts when administering the Public Schools on Military Installations program to find innovative funding solutions to meet State match requirements.
The Senate amendment contained no similar provision.  
The Senate recedes.

Access to military installations by transportation network companies (sec. 2819)

The Senate amendment contained a provision (sec. 2814) that would amend section 346 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to clarify that transportation companies include transportation network companies.

The House bill contained no similar provision.

The House recedes.

SUBTITLE C—PROJECT MANAGEMENT AND OVERSIGHT REFORMS

Notification requirement for certain cost increases (sec. 2821)

The Senate amendment contained a provision (sec. 2831) that would amend section 2853 of title 10, United States Code, to require the Secretary of Defense to notify the congressional defense committees of any military construction or military family housing project that has a cost overrun or a schedule delay of 25 percent or more.

The House bill contained no similar provision.

The House recedes with an amendment that would require this information for projects with an authorized cost of $40.0 million or more.

Annual report on schedule delays (sec. 2822)

The Senate amendment contained a provision (sec. 2833) that would amend section 2853 of title 10, United States Code, to require the Secretary of Defense to submit to the congressional defense committees an annual report on military construction projects and military family housing projects that had cost overruns or schedule delays of 5 percent or more.

The House bill contained no similar provision.

The House recedes with an amendment that would require an annual report on projects of $40.0 million or more that have a cost increase above the authorized levels of 25 percent or a 1 year delay in the agreed schedule. The report would also provide details on the reasons for the cost increases or delays and any investigations into failures that resulted in such.
Report on design errors and omissions related to Fort Bliss hospital replacement project (sec. 2823)

The Senate amendment contained a provision (sec. 2834) that would require the Secretary of Defense to submit a report to the congressional defense committees on design errors and omissions related to the hospital replacement project at Fort Bliss, Texas. The report should identify "design errors" and "omissions" that led to the $245.0 million cost increase for the replacement project and identify the organization and individual responsible for the design errors and omissions. Additionally, the report should describe the actions taken by the Secretary of Defense to hold such organizations and individuals responsible for the errors and omissions. This report should be due no later than December 1, 2017. Additionally, this provision would prohibit the obligations of funds appropriated for the replacement project at Fort Bliss from being utilized until the report is submitted and a written certification is submitted outlining the steps taken to mitigate such overruns in the future of this project.

The House bill contained no similar provision.

The House recedes with an amendment that would ensure adequate time for due process before the report is submitted.

Report on cost increase and delay related to USSTRATCOM command and control facility project at Offutt Air Force Base (sec. 2824)

The Senate amendment contained a provision (sec. 2835) that would require the Secretary of Defense to submit to the congressional defense committees a report on the 16-month schedule delay and 10 percent cost increase related to the United States Strategic Command command and control facility project at Offutt Air Force Base, Nebraska. The report should include the name of the organizations and/or persons responsible for the delay and cost increase as well as a description of actions that the Secretary has taken to hold such individuals or organizations accountable for these problems.

The House bill contained no similar provision.

The House recedes with an amendment that would ensure adequate time for due process before the report is submitted.

**SUBTITLE D—ENERGY RESILIENCE**

*Energy resilience (sec. 2831)*
The Senate amendment contained two provisions (sec. 2845 and sec. 12802) that would amend section 2911 of title 10, United States Code to add “energy resilience” as a readiness policy of the Department of Defense.

The House bill contained no similar provision.

The House recedes with a technical amendment.

**Authority to use energy cost savings for energy resilience, mission assurance, and weather damage repair and prevention measures (sec. 2832)**

The Senate amendment contained a provision (sec. 2811) that would amend section 2912 of title 10, United States Code, to allow energy savings funds to be used for weather damage, mission assurance, and energy resilience.

The House bill contained no similar provision.

The House recedes.

**Consideration of energy security and energy resilience in awarding energy and fuel contracts for military installations (sec. 2833)**

The Senate amendment contained a provision (sec. 2846) that would amend section 2922a of title 10, United States Code, to ensure the Secretary concerned prioritizes energy security and resilience when considering energy or fuel contracts for military installations.

The House bill contained no similar provision.

The House recedes.

**Requirement to address energy resilience in exercising utility system conveyance authority (sec. 2834)**

The Senate amendment contained a provision (sec. 2847) that would amend section 2688(g) of title 10, United States Code, to require that utility systems be managed and operated in a manner consistent with energy resilience requirements and metrics.

The House bill contained no similar provision.

The House recedes.

**In-kind lease payments; prioritization of utility services that promote energy resilience (sec. 2835)**

The Senate amendment contained a provision (sec. 2848) that would amend section 2667(c) of the title 10, United States Code, to prioritize energy resilience as in-kind consideration.
The House bill contained no similar provision.
The House recedes.

Annual Department of Defense energy management reports (sec. 2836)

The Senate amendment contained a provision (sec. 2841) that would amend section 2925 (a) of title 10, United States Code, to ensure the Department of Defense distinguishes between planned and unplanned power outages and establishes critical mission resilience metrics in the installation energy report.
The House bill contained no similar provision.
The House recedes.

Aggregation of energy efficiency and energy resilience projects in life cycle cost analyses (sec. 2837)

The Senate amendment contained a provision (sec. 2842) that would ensure the Department of Defense’s energy projects consider life cycle costs.
The House bill contained no similar provision.
The House recedes.

**SUBTITLE E—LAND CONVEYANCES**

Land exchange, Naval Industrial Reserve Ordnance Plant, Sunnyvale, California (sec. 2841)

The House bill contained a provision (sec. 2821) that would authorize a land exchange of the Naval Industrial Reserve Ordnance Plant located in Sunnyvale, California, for property interests that meet the readiness requirements of the Department of the Navy.
The Senate amendment contained a similar provision (sec. 2824).
The Senate recedes.

Land Conveyance, Mountain Home Air Force Base, Idaho (sec. 2842)

The House bill contained a provision (sec. 2823) that would allow the Secretary of the Air Force to convey, without consideration, certain Air Force real property to the City of Mountain Home, Idaho for the purpose of economic development.
The Senate amendment contained a similar provision (sec. 7803).
The House recedes.
Lease of real property to the United States Naval Academy Alumni Association and Naval Academy Foundation at United States Naval Academy, Annapolis, Maryland (sec. 2843)

The House bill contained a provision (sec. 2824) that would provide authority for the Secretary of the Navy to lease approximately three acres at the United States Naval Academy in Annapolis, Maryland, to the United States Naval Academy Alumni Association and the United States Naval Academy Foundation.

The Senate amendment contained no similar provision.

The Senate recedes.

Land Conveyance, Natick Soldier Systems Center, Massachusetts (sec. 2844)

The House bill contained a provision (sec. 2825) that would authorize the Secretary of the Army to sell and convey approximately 98 acres of real property in the vicinity of Hudson, Wayland, and Needham, Massachusetts in exchange for cash payment that is not less than the fair market value of the property. This provision would also authorize the Secretary to use the proceeds of the sale to demolish, construct, or rehabilitate military family housing, unaccompanied soldier housing, or ancillary support facilities to support military personnel assigned to the U.S. Army Natick Soldier Systems Center.

The Senate amendment contained a similar provision (sec. 2821).

The Senate recedes.

Land exchange, Naval Air Station Corpus Christi, Texas (sec. 2845)

The Senate amendment contained a provision (sec. 2825) that would allow the Secretary of the Navy to convey to an entity all right, title, and interest of the United States in and to the parcel of real property consisting of 44 acres known as Peary Place Transmitter Site in Nueces County associated with the Naval Air Station Corpus Christi, Texas.

The House bill contained no similar provision.

The House recedes.

Imposition of additional conditions on future use of Castner Range, Fort Bliss, Texas (sec. 2846)

The House bill contained a provision (sec. 2826) that would amend section 2844 of the National Defense Authorization
Act for Fiscal Year 2013 (Public Law 112-239) to place additional conditions on an authorized conveyance of 7,081 acres of real property at Fort Bliss to the Parks and Wildlife Department of the State of Texas.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would ensure the preservation of the property in its natural state.

Land conveyance, former missile alert facility known as Quebec-01, Laramie County, Wyoming (sec. 2847)

The House bill contained a provision (sec. 2829) that would authorize the conveyance, at no cost to the Air Force, of the missile alert facility and launch control center at the Quebec #1 Missile Alert Facility for the Peacekeeper ICBM facilities of the 190 Missile Group at F.E. Warren Air Force Base, Wyoming to the Wyoming Department of State Parks and Cultural Resources.

The Senate amendment contained a similar provision (sec. 2823).

The Senate recedes with a technical amendment.

**SUBTITLE F—MILITARY MEMORIALS, MONUMENTS, AND MUSEUMS**

Recognition of the National Museum of World War II Aviation (sec. 2861)

The House bill contained a provision (sec. 2842) that would recognize the National Museum of World War II Aviation in Colorado Springs, Colorado, as America's National World War II Aviation Museum.

The Senate amendment contained a similar provision (sec. 14010).

The House recedes.

Principal office of Aviation Hall of Fame (sec. 2862)

The House bill contained a provision (sec. 2843) that would amend section 23107 of title 36, United States Code, to remove the requirement that the Principal Office of the Aviation Hall of Fame be located in Dayton, Ohio, while retaining the requirement that the office be located in Ohio.

The Senate amendment contained no similar provision.

The Senate recedes.
Establishment of a visitor services facility on the Arlington Ridge tract (sec. 2863)

The Senate amendment contained a provision (sec. 2850) that would authorize the Secretary of the Interior to construct a structure for visitor services, including a public restroom facility, on the Arlington Ridge tract. The House bill contained no similar provision.

The House recedes. The conferees encourage the Secretary of the Interior to coordinate with the Commandant of the Marine Corps on the design of the visitor center prior to construction to ensure that it is compatible with the Marine Corps War Memorial.

Modification of prohibition on transfer of veterans memorial objects to foreign governments without specific authorization in law (sec. 2864)

The House bill contained a provision (sec. 2814) that would amend Section 2752(e) of title 10, United States Code, to limit the restrictions in that section to veterans memorial objects brought to the United States prior to 1907. The provision would also extend the prohibition on the return of veterans memorial objects to a foreign country or entity controlled by a foreign government until September 30, 2022. The Senate amendment contained no similar provision. The Senate recedes with an amendment that would create an exception to allow for the transfer of the Bells of Balangiga to the Republic of the Philippines if the Secretary of Defense makes certain required certifications to Congress. These include that the transfer is in the national security interests of the United States and that appropriate steps have been taken to preserve the history of veterans associated with the objects on public display at the F.E. Warren Air Force Base in Cheyenne, Wyoming, including consultation with associated veterans organizations and government officials in the State of Wyoming.

SUBTITLE G—OTHER MATTERS

Authority of the Secretary of the Air Force to accept lessee improvements at Air Force Plant 42 (sec. 2871)

The Senate amendment contained a provision (sec. 2843) that would authorize the Secretary of the Air Force to permit the lessee of Air Force Plant 42 to make improvements to the
plant or facility as necessary for the development or production of military weapons systems, munitions, components, or supplies. The House bill contained no similar provision.

The House recedes.

Modification of Department of Defense guidance on use of airfield pavement markings (sec. 2872)

The House bill contained a provision (sec. 2861) that would direct the Secretary of Defense to modify the Unified Facilities Guide Specifications for pavement markings, or any other Department of Defense guidance on airfield pavement markings, to prohibit the use of Type I glass beads or any glass bead with a 1.6 refractive index or less from use on airfield markings on airfields under the control of the Secretary.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the use of beads exceeding a 1.6 refractive index unless a certification is submitted that the current process of conducting a life-cycle cost assessment when Type I and Type III beads are offered in response to a solicitation appropriately considers the local site conditions, life-cycle cost maintenance, environmental impact, operational requirements, and safety of flight.

Authority of Chief Operating Officer of Armed Forces Retirement Home to acquire and lease property (sec. 2873)

The House bill contained a provision (sec. 2862) that would amend sections 1511(e) and 1511(i) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 411(e) and 411(i)) to authorize the Chief Operating Officer of the Armed Forces Retirement Home (AFRH) to acquire property or lease non-excess property of the AFRH.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would authorize the Chief Operating Officer of the Armed Forces Retirement Home to lease non-excess property subject to the approval of the Secretary of Defense.

Restrictions on rehabilitation of Over-the-Horizon Backscatter Radar Station (sec. 2874)

The House bill contained a provision (sec. 2863) that would prohibit the Secretary of the Air Force from using any funds or resources to carry out the rehabilitation of the Over-
the-Horizon Backscatter Radar Station on Modoc National Forest land in Modoc County, California.

The Senate amendment contained no similar provision.
The Senate recedes with an amendment that would allow environmental corrective action of the perimeter fence.

Permitting machine room-less elevators in Department of Defense facilities (sec. 2875)

The House bill contained a provision (sec. 2864) that would authorize the Secretary of Defense to issue modifications to all relevant construction and facilities specifications to ensure that machine room-less elevators are not prohibited in Department of Defense facilities.
The Senate amendment contained no similar provision.
The Senate recedes.

Disclosure of beneficial ownership by foreign persons of high security space leased by the Department of Defense (sec. 2876)

The Senate amendment contained a provision (sec. 2849) that would require the Department of Defense to identify the beneficial owner of potential high security leased space. If any beneficial owner of such space is a foreign entity, the Department would be required to notify the tenant so that appropriate precautions could be taken.
The House bill contained no similar provision.
The House recedes with a technical amendment.

Joint use of Dobbins Air Reserve Base, Marietta, Georgia, with civil aviation (sec. 2877)

The Senate amendment contained a provision (sec. 2851) that would allow the Secretary of the Air Force to enter into an agreement that would provide or permit the joint use of Dobbins Air Reserve Base, Marietta, Georgia, by the Air Force and civil aircraft.
The House bill contained no similar provision.
The House recedes.

Report on hurricane damage to Department of Defense assets (sec. 2878)

The Senate amendment contained a provision (sec. 11007) that would require the Secretary of Defense to conduct a report on military assets and installations that suffered damage during the 2017 hurricanes.
The House bill contained no similar provision.
The House recedes.

Special rules for certain projects (sec. 2879)

The Senate amendment contained a provision (sec. 2844) that would prohibit the use of funds to pursue the proposed 2-phase 52-home family housing project for 18 military personnel on Kwajalein. The provision would further direct the Secretary of Defense to explore alternative structures, such as those used by U.S. contractors on Kwajalein, that are a fraction of the price and can be used in similar remote locations where construction costs are prohibitively expensive.

The House bill contained no similar provision.
The House recedes with an amendment that would require the Secretary of the Army to authorize the construction of at least 26 family housing units that would be available only for military personnel, federal employees, and their dependents. Additionally, if the cost of the project exceeds the authorized amount, the amendment would require the Secretary of the Army to submit a not delegable report to the congressional defense committees detailing the reasons for the cost overrun and specific actions taken to prevent further cost increases on the project. The amendment also would require the Secretary of the Army to submit a report to the congressional defense committees on options to meet requirements for contractor housing at Kwajalein Atoll without relying on military construction funds, no later than 180 days after the date of the enactment of this Act. Finally, the amendment would limit the Secretary of the Navy from carrying out the second phase of the project for replacement housing at Andersen Air Force Base, Guam, until 30 days after the Secretary submits a report to the congressional defense committees certifying that there is a sufficient contractor workforce to perform the necessary work and that the projects authorized in this Act that would meet operational requirements have been awarded.

Energy security for military installations in Europe (sec. 2880)

The Senate amendment contained a provision (sec. 7802) that would require the Secretary of Defense to reduce the dependency of United States military installations in Europe on Russian energy sources.

The House bill contained no similar provision.
The House recedes with an amendment that would require the Secretary of Defense to certify that the Department of Defense has taken significant steps at military installations in Europe
to minimize dependency on energy sourced inside the Russian Federation and to ensure the ability to sustain operations during an energy supply disruption.

In addition, the conferees direct that the briefing required by the related House Committee Report (under the heading “Energy Resiliency of Overseas Military Installations”) shall be also provided to the Senate Committee on Armed Services.

LEGISLATIVE PROVISIONS NOT ADOPTED

Authority to use expiring funds for certain military construction projects

The Senate amendment contained a provision (sec. 2801) that would authorize funds that would otherwise expire to be used for the sole purpose of the expansion of a cemetery, in the case of the Army, and for the enhancement of installation security, in the case of the Navy, by purchasing property that is voluntarily offered for sale.

The House bill contained no similar provision.
The Senate recedes.

Authorized cost increases

The Senate amendment contained a provision (sec. 2803) that would amend section 2853 of title 10, United States Code to limit the amount that the Department of Defense could exceed authorized funding levels on military construction projects to not more than 10 percent.

The House bill contained no similar provision.
The Senate recedes.

Clarification of applicability of fair market value consideration in grants of easements on military lands for rights-of-way

The House bill contained a provision (sec. 2812) that would clarify section 2668 of title 10, United States Code, to ensure the Secretary of a military department receives fair market value when granting easements.

The Senate amendment contained no similar provision.
The House recedes.

Modification of unspecified minor military construction project authority to cover correction of deficiencies that are threats to installation resilience
The Senate amendment contained a provision (sec. 2812) that would amend section 2805(a)(2) of title 10, United States Code, to include both safety risks and military mission risks. The House bill contained no similar provision. The Senate recedes.

*Improved process for disposal of Department of Defense surplus real property located overseas*

The House bill contained a provision (sec. 2819) that would amend section 2687a of title 10, United States Code to establish a petition process for disposal of overseas surplus real property by which a foreign government may request the transfer of surplus real property or improvements under the jurisdiction of the Department of Defense in the foreign country.

The Senate amendment contained no similar provision. The Senate recedes.

The conferees note that the disposal of overseas real property is addressed in bilateral agreements with the host nation. The conferees also note that the Department of Defense has existing statutory authorities, policies, and instructions in place that ensure overseas sites and facilities that are used, operated, and maintained by the Department of Defense are considered for return to the host nation when they are no longer required. The conferees further believe it is important, to the maximum extent possible, for the Department of Defense to recover the residual value of U.S-funded improvements at locations when they are returned to the host nation.

*Land Conveyance, Naval Ship Repair Facility, Guam*

The House bill contained a provision (sec. 2822) that would direct the Secretary of the Navy to convey, without consideration, certain Navy real property to the Guam Economic Development Authority for the purpose of providing support for ship repair and other military maintenance requirements.

The Senate amendment contained no similar provision. The Senate recedes.

The conferees believe that Guam is a strategic location in the Western Pacific and recognize the Navy has an enduring requirement for the Naval Ship Repair Facility property. This requirement includes support for future Navy and Military Sealift Command ship repair as well as use of the real property to support other Navy missions. However, the conferees are concerned about the current condition of the infrastructure at the Naval Ship Repair Facility property to support ship repair.
requirements. The conferees believe that as long as the ship repair facilities remain under the jurisdiction of the Secretary of the Navy, the Navy should plan and program resources to invest in the modernization and sustainment of the facilities and infrastructure. In addition, the Secretary of the Navy should ensure that masterplans for the Naval Ship Repair Facility property do not encroach on the ability to provide depot-level ship repair capabilities at the property, to include the potential mooring of a floating dry dock, should that be determined a requirement in the future.

Removal of certain deed restrictions and reversionary provisions associated with the conveyance of property of former Defense Depot Ogden, Utah

The House bill contained a provision (sec. 2827) that would authorize the Secretary of the Interior to enter into negotiations with the City of Ogden, Utah and Weber County, Utah, on agreements to remove deed restrictions and reversionary provisions on the remaining property of the former Defense Depot Ogden.

The Senate amendment contained no similar provision.

The House recedes.

Land Conveyance, Wasatch-Cache National Forest, Rich County, Utah

The House bill contained a provision (sec. 2828) that would require the Secretary of Agriculture to convey, without consideration, real property consisting of approximately 80 acres, located outside of the boundaries of the Wasatch-Cache National Forest in Rich County, Utah, to the Utah State University Research Foundations for the purpose of permitting the Foundation to use the property for scientific and educational purposes.

The Senate amendment contained no similar provision.

The House recedes.

Indefinite duration of certain military land withdrawals and reservations and improved management of withdrawn and reserved lands

The House bill contained a provision (sec. 2831) that would amend the existing statutory military land withdrawals from Department of the Interior jurisdiction by extending them for an indefinite time period while putting in place a continuous review, coordinated between the Department of Defense
and the Department of Interior, and public comment process regarding the resource management plans and military use of such lands.

The Senate amendment contained no similar provision.
The House recedes.

Temporary segregation from public land laws of property subject to proposed military land withdrawal; temporary use permits and transfers of small parcels of land between Departments of Interior and military departments; more efficient surveying of lands

The House bill contained a provision (sec. 2832) that would amend chapter 6 of title 43, United States Code, to allow the Secretary of the Interior to grant permission to the Secretary of Defense to conduct military training or testing on land under the jurisdiction of the Department of the Interior for up to 30 days, provided such use would be consistent with the purposes for which the Secretary of the Interior manages the land. In addition, this provision would authorize the transfer of parcels of land smaller than 5,000 acres between the Department of Defense and the Department of the Interior. Finally, this provision would permit the use of geographic coordinates for conducting original surveys of land instead of using physical monuments.

The Senate amendment contained no similar provision.
The House recedes.

Limited authority for private sector supervision of military construction projects in event of extensive cost overruns or project delays

The Senate amendment contained a provision (sec. 2832) that would amend section 2851(a) of title 10, United States Code, to allow the Secretary of Defense to arrange for private sector direction or supervision of projects where the Chief of Engineers or the Commander of the Naval Facilities Engineering Command had cost overruns or project delays of more than 5 percent on at least 10 percent of the projects for which either was responsible in the most recent fiscal year.

The Senate amendment contained no similar provision.
The House recedes.
The conferees note that cost overruns on major projects have become a problem and that both the Corps of Engineers and Naval Facilities Command need to improve program management to better deliver projects on time and on budget.
Battleship preservation grant program

The House bill contained a provision (sec. 2844) that would establish a grant program for the preservation of historic United States battleships.
   The Senate amendment contained no similar provision.
   The House recedes.

Short Title

The House bill contained a provision (sec. 2851) that would provide that this subtitle may be cited as the “Shiloh National Military Park Boundary Adjustment and Parker's Crossroads Battlefield Designation Act.”
   The Senate amendment contained no similar provision.
   The House recedes.

Definitions

The House bill contained a provision (sec. 2852) that would provide definitions for specific terms used in this subtitle.
   The Senate amendment contained no similar provision.
   The House recedes.

Areas to be added to Shiloh National Military Park

The House bill contained a provision (sec. 2853) that would modify the boundary of Shiloh National Military Park and provide the Secretary of the Interior with authority to acquire lands by donation, purchase from willing sellers with donated or appropriated funds, or exchange.
   The Senate amendment contained no similar provision.
   The House recedes.

Establishment of affiliated area

The House bill contained a provision (sec. 2854) that would establish Parker's Crossroads Battlefield in the State of Tennessee as an affiliated area of the National Park System, authorize the Secretary of the Interior to provide technical assistance and to enter into cooperative agreements with the management entity, and require the development of a general management plan for the affiliated area.
   The Senate amendment contained no similar provision.
   The House recedes.
Private property protection

The House bill contained a provision (sec. 2855) that would prohibit the Secretary of the Interior from acquiring land or interests in land by condemnation for the purposes of this subtitle, would require written consent from property owners prior to their property being included in the Shiloh National Military Park, and would prohibit the creation of buffer zones outside of the park.

The Senate amendment contained no similar provision.

The House recedes.

Technical correction to authority for return of certain lands at Fort Wingate, New Mexico, to original inhabitants

The Senate amendment contained a provision (sec. 12801) that would amend Section 2829F(a)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328; 130 Stat. 2734) by changing the reference to a map that shows the final agreement between the Navajo Nation and the Pueblo of Zuni.

The House bill contained no similar provision.

The Senate recedes.

Report on compliance with runway clear zone requirements

The Senate amendment contained a provision (sec. 14005) that would require the Secretary of Defense, in consultation with the service secretaries, to submit to the congressional defense committees a report on Service compliance with Department of Defense (DOD) and relevant service policies regarding DOD runway clear zones.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the Department has previously reviewed and reported on this subject but has some concerns that should be addressed in an update of that effort. Therefore, the conferees direct the Secretary of Defense, in consultation with the Service secretaries, to submit to the congressional defense committees a report not later than 270 days after the enactment of this Act on Service compliance with Department of Defense and relevant Service policies regarding Department of Defense runway clear zones. The report shall include a listing of all Department of Defense runway clear zones in the United States that are not in compliance with Department of Defense and relevant Service policies regarding Department of Defense runway clear zones. The report shall also
include a plan for bringing all Department of Defense runway clear zones in full compliance with these policies, including a description of the resources required to bring these clear zones into policy compliance, and for providing restitution for property owners.

Sense of Congress on fire protection in Department of Defense facilities

The Senate amendment contained a provision (sec. 14014) that would express the sense of Congress that portable fire extinguishers are essential to the safety of the members of the Armed Forces and their families. This provision would also urge the Secretary of Defense to consider amending the current United Facilities Criteria to address portable fire extinguisher standards.

The House bill contained no similar provision.

The Senate recedes.

**TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION**

**Summary**

The budget request included $638.1 million for Overseas Contingency Operations military construction for fiscal year 2018.

The conference agreement includes authorization of appropriations of $748.6 million for Overseas Contingency Operations military construction for fiscal year 2018.

As noted earlier in this report, the agreement recommends a reduction in funding for several projects included in the base budget request in order to transfer them to the Overseas Contingency Operations title of this Act. Therefore, the agreement recommends a commensurate increase in the Overseas Contingency Operations account to support these projects. Specifically, these projects include: $27.325 million for a Guardian Angel Operations Facility at Aviano Air Base, Italy; $25.997 million for a 216 Person Dormitory at Incirlik Air Base, Turkey; $22.4 million to Construct Hydrant System at Naval Air Station Sigonella, Italy; $15.0 million for a Consolidated Squadron Operations Facility at Al Udeid Air Base, Qatar; $13.39 million for an Aircraft Parking Apron Expansion at Camp Lemonnier, Djibouti; and $6.4 million for the Forward Operating Site at an unspecified location in Turkey.
**Authorized Army construction and land acquisition projects (sec. 2901)**

The House bill contained a provision (sec. 2901) that would contain the list of certain authorized Army construction projects for fiscal year 2018. These projects represent a binding list of the specific projects authorized at these locations.

The Senate amendment contained a similar provision (sec. 2901).

The Senate recedes with a technical amendment.

**Authorized Navy construction and land acquisition project (sec. 2902)**

The House bill contained a provision (sec. 2902) that would contain the list of a certain authorized Navy construction project for fiscal year 2018. This project represents a binding list of the specific project authorized at this location.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

**Authorized Air Force construction and land acquisition project (sec. 2903)**

The House bill contained a provision (sec. 2903) that would contain the list of certain authorized Air Force construction projects for fiscal year 2018. This project represents a binding list of the specific projects authorized at these locations.

The Senate amendment contained a similar provision (sec. 2902).

The Senate recedes with a technical amendment.

**Authorized Defense Agencies construction and land acquisition project (sec. 2904)**

The House bill contained a provision (sec. 2904) that would contain the list of a certain authorized Defense Agency’s construction project for fiscal year 2018. This project represents a binding list of the specific project authorized at this location.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

**Authorization of appropriations (sec. 2905)**
The House bill contained a provision (sec. 2905) that would authorize appropriations for Overseas Contingency Operations military construction at the levels identified in section 4602 of division D.

The Senate amendment contained a similar provision (sec. 2903).

The Senate recedes with a technical amendment.

Extension of authorization of certain fiscal year 2015 projects (sec. 2906)

The House bill contained a provision (sec. 2906) that would extend the authorizations of certain projects originally authorized by section 2902 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113-291) until October 1, 2018, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2019, whichever is later.

The Senate amendment contained a similar provision (sec. 2904).

The House recedes.

DIVISION C—DEPARTMENT OF ENERGY NATIONAL SECURITY AUTHORIZATIONS AND OTHER AUTHORIZATIONS

TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

SUBTITLE A—NATIONAL SECURITY PROGRAMS AUTHORIZATIONS

National Nuclear Security Administration (sec. 3101)

The House bill contained a provision (sec. 3101) that would authorize a total of $14.2 billion for the Department of Energy in fiscal year 2018 for the National Nuclear Security Administration (NNSA) to carry out programs necessary for national security and would also authorize new plant projects for the NNSA.

The Senate amendment contained a similar provision (sec. 3101) that would authorize appropriations but did not include
authorization for a Material Staging Facility at the Pantex Plant.

The Senate recedes with an amendment that would clarify authority for the NNSA to enter into an incrementally-funded contract for the Albuquerque Complex project. The conferees emphasize that this authorization should not be construed to set a precedent for incrementally-funded projects and that the Department of Energy should continue to pursue authorization of incremental funding for other projects through its long-established practices.

Defense environmental cleanup (sec. 3102)

The House bill contained a provision (sec. 3102) that would authorize the appropriation of funds for the Department of Energy’s defense environmental clean-up activities. The Senate amendment contained a similar provision (sec. 3102).

The Senate recedes.

Other defense activities (sec. 3103)

The House bill contained a provision (sec. 3103) that would authorize appropriations for other defense activities for the Department of Energy for fiscal year 2018. The Senate amendment contained an identical provision (sec. 3103).

The conference agreement includes this provision.

Nuclear energy (sec. 3104)

The House bill contained a provision (sec. 3104) that would authorize appropriations for certain nuclear energy programs for the Department of Energy for fiscal year 2018. The Senate amendment contained an identical provision (sec. 3104).

The conference agreement includes this provision.

SUBTITLE B—PROGRAM AUTHORIZATIONS, RESTRICTIONS, AND LIMITATIONS

Nuclear security enterprise infrastructure modernization initiative (sec. 3111)

The House bill contained a provision (sec. 3111) that would make a series of findings regarding the need to address
infrastructure problems within the nuclear security enterprise, and would also establish a program known as the Facilities and Infrastructure Recapitalization and Repair Program, with a goal of reducing the backlog of deferred maintenance and repair needs by at least 50 percent within 5 years. The provision would also require the Administrator for Nuclear Security to submit an initial plan to carry out the program with the budget request for fiscal year 2019. The program would terminate 5 years after the date of enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would: modify the name of the program to the Infrastructure Modernization Initiative; modify the goal of the program to reducing the backlog by at least 30 percent by 2025; require the Administrator to submit an initial plan not later than March 1, 2018; strike the requirement in the plan for certification by the Secretary of Energy; strike the termination date and insert a requirement that the Administrator reassess the program not later than February 1, 2024; and establish that the Administrator may not change the requirements for a plant project carried out under Department of Energy Order 413.3B after Critical Decision 2 if the cost of the project will increase by more than $5 million or 15 percent, whichever is less, unless the Administrator authorizes such change without delegation and submits to the congressional defense committees an associated cost-benefit and risk analysis.

Incorporation of integrated surety architecture in transportation (sec. 3112)

The House bill contained a provision (sec. 3112) that would require the Administrator for Nuclear Security, in coordination with the Chairman of the Nuclear Weapons Council, to ensure that all nuclear warhead development programs, life extension programs, and major alteration programs incorporate integrated designs compatible with the Integrated Surety Architecture (ISA) Program of the National Nuclear Security Administration (NNSA). The provision would also require that over-the-road shipments of the NNSA involving any nuclear weapon planned to be in the active stockpile after 2025 incorporate surety technologies relating to transportation and shipping developed by the ISA Program.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would strike subsection (c) of the House provision.

The conferees note that the report accompanying the House bill (H. Rept. 115-200) clarified the intent for this provision.
Cost estimates for life extension program and major alteration projects (sec. 3113)

The House bill contained a provision (sec. 3113) that would require the Secretary of Energy, acting through the Administrator for Nuclear Security, to conduct independent cost estimates or independent cost reviews at various phases of warhead life extension programs.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that includes technical and clarifying changes.

Improved information relating to certain defense nuclear nonproliferation programs (sec. 3114)

The House bill contained a provision (sec. 3115) that would create a new section 4310 in the Atomic Energy Defense Act (50 U.S.C. 2563) to require the Administrator for Nuclear Security to track and document, for efforts that are not focused on basic research, the technologies and capabilities developed by the Defense Nuclear Nonproliferation Research and Development (DNN R&D) program to better understand whether such technologies are transitioned to end users or deployed. Furthermore, this provision would require the Administrator, in assessing projects within the DNN R&D program and the Nonproliferation and Arms Control program, to compare the status of each project, including the final results of such projects, to baseline targets and goals established in the initial project plan and would require the Administrator to include, within the annual plan required by section 4309(b) of the Atomic Energy Defense Act (50 U.S.C. 2575(b)), information related to these requirements.

The Senate amendment contained no similar provision.

The Senate recedes.

Research and development of advanced naval reactor fuel based on low-enriched uranium (sec. 3115)

The House bill contained a provision (sec. 3116) that would prohibit the obligation or expenditure of any funds authorized to be appropriated for fiscal year 2018 for the Department of Energy or Department of Defense to plan or carry out research and development of an advanced naval nuclear fuel system based on low-enriched uranium. The provision contains an exception that would authorize for these purposes, from within amounts made available for fiscal year 2018 for defense nuclear nonproliferation, $5.0 million for the Deputy Administrator for
Naval Reactors of the National Nuclear Security Administration to carry out such research. The provision also provides that, if the Secretary of Energy and the Secretary of the Navy determine under section 3118(c)(1) of the National Defense Authorization Act for Fiscal Year 2016 (P.L. 114-92) that such research and development should continue, an additional $30.0 million may be made available to the Deputy Administrator for such purpose.

The Senate amendment contained no similar provision.

The Senate recedes.

National Nuclear Security Administration pay and performance system (sec. 3116)

The House bill contained a provision (sec. 3118) that would require the Administrator for Nuclear Security to continue to carry out the Pay Banding and Performance-Based Pay Adjustment Demonstration Project of the National Nuclear Security Administration, authorized under section 4703 of title 5, U.S. Code, for 5 years after the date of enactment of this Act.

The Senate amendment contained a provision (sec. 3114) that would convert the Pay Banding and Performance-Based Pay Adjustment Demonstration Project into a permanent alternative personnel system.

The Senate recedes with amendments that would change the sunset from 5 to 10 years from the date of enactment of this Act; clarify how changes in the alternative personnel system must be approved and notified; and clarify that the Director of the Naval Nuclear Propulsion Program may, with the concurrence of the Secretary of the Navy, apply this system to employees of the Naval Nuclear Propulsion Program in both the competitive service and the excepted service.

Budget requests and certification regarding nuclear weapons dismantlement (sec. 3117)

The House bill contained a provision (sec. 3114) that would require the Administrator for Nuclear Security to ensure that the President’s annual budget request for fiscal years 2019 to 2026 includes not more than $56.0 million for the nuclear weapons dismantlement and disposition activities of the National Nuclear Security Administration (NNSA) in accordance with the limitation in section 3125(a) of the National Defense Authorization Act for Fiscal Year 2017 (P.L. 114-328).

The Senate amendment contained no similar provision.

The Senate recedes.
Nuclear warhead design competition (sec. 3118)

The House bill contained a provision (sec. 3121) that would require the Administrator for Nuclear Security to plan and carry out a new and comprehensive design competition for a nuclear warhead that could be employed on ballistic missiles of the United States by 2030. The provision would require the Administrator to develop a plan in fiscal year 2018 to carry out this competition and to implement such plan in fiscal year 2019. The Senate amendment contained no similar provision. The Senate recedes.

Modification of minor construction threshold for plant projects (sec. 3119)

The House bill contained a provision (sec. 3120) that would amend section 4701 of the Atomic Energy Defense Act (50 U.S.C. 2741) to increase the threshold for minor construction projects of the National Nuclear Security Administration from $10.0 million to $20.0 million and index the threshold to inflation. The Senate amendment contained no similar provision. The Senate recedes with an amendment that would strike the index to inflation. To enable better congressional oversight of these projects, the conferees direct the Administrator for Nuclear Security to provide additional information in the President’s annual budget request regarding minor construction projects with estimated total project costs between $10.0 million and $20.0 million. Information provided should include location or site, detailed project description, total project cost, and forecasted project milestones such as project start, design complete, and construction complete dates. The conferees further direct the Administrator to provide semi-annual progress updates on these projects to the Committees on Armed Services of the Senate and House of Representatives, including any projects whose estimated costs were below $10.0 million initially but whose estimated or actual costs have risen above $10.0 million during the course of the project.

Extension of authorization of Advisory Board on Toxic Substances and Worker Health (sec. 3120)

The Senate amendment contained a provision (sec. 3116) that would extend the authorization of the Advisory Board on Toxic Substances and Worker Health through December 19, 2024. The House bill contained no similar provision.
Use of funds for construction and project support activities relating to MOX facility (sec. 3121)

The House bill contained a provision (sec. 3119) that would require the Secretary of Energy to carry out construction and project support activities for the Mixed Oxide Fuel Fabrication Facility (MFFF) with any funds authorized to be appropriated or otherwise made available for such purposes for fiscal year 2018. The Secretary would be allowed to waive this requirement if the Secretary submits certain matters, notifications, and certifications to the Committees on Armed Services of the Senate and the House of Representatives.

The Senate amendment contained a similar provision (sec. 3112) that would require the Secretary of Energy to carry out construction and project support activities for the Mixed Oxide Fuel Fabrication Facility with any funds authorized to be appropriated or otherwise made available for such purposes for fiscal year 2018. The Secretary would be allowed to waive this requirement to carry out construction and project support activities related to the MFFF project if the Secretary submits to the congressional defense committees: (1) The commitment of the Secretary to remove plutonium intended to be disposed of in the MOX facility from South Carolina and ensure a sustainable future for the Savannah River Site and (2) Certification that an alternative option exists for carrying out the plutonium disposition program for the same amount of plutonium identified that was to be disposed of in the MOX facility is completed meeting the requirements of National Nuclear Security Administration Business Operating Procedure “BOP–03.07, Analysis of Alternatives” dated March 14, 2016 and that the total lifecycle cost, consistent with Government Accountability Office (GAO) cost estimating and assessment best practices as found in GAO-09-3SP “GAO Cost Estimating and Assessment Guide,” of the alternative option would be less than half of the estimated remaining lifecycle cost of the mixed-oxide fuel program, estimates that should be of comparable accuracy.

The House recedes with an amendment that would clarify that the estimates of the remaining lifecycle cost should be determined in a manner comparable to GAO’s best practices and that the alternative option would be less than approximately half the estimated cost of the mixed-oxide fuel program.

Prohibition on availability of funds for programs in Russian Federation (sec. 3122)
The House bill contained a provision (sec. 3117) that would prohibit the obligation or expenditure of any funds for fiscal year 2018 for atomic energy defense activities to enter into a contract with, or otherwise provide assistance to, the Russian Federation. The provision contains an exception for the Department of Energy’s Russian Health Studies Program, as well as waiver authority if the Secretary of Energy determines, in writing, that a nuclear-related threat arising in Russia must be addressed urgently.

The Senate amendment contained no similar provision.

The Senate recedes.

**SUBTITLE C—PLANS AND REPORTS**

**Annual Selected Acquisition Reports on certain hardware relating to defense nuclear nonproliferation (sec. 3131)**

The House bill contained a provision (sec. 3137) that would require the Administrator for Nuclear Security to submit to the congressional defense committees, at the end of each fiscal year, selected acquisition reports for certain projects carried out by the defense nuclear nonproliferation research and development program that are focused on the production and deployment of hardware (including with respect to the development and deployment of satellites or satellite payloads) and exceed $500.0 million in total program cost over the course of 5 years.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would add a reporting requirement to the Atomic Energy Defense Act.

**Annual reports on unfunded priorities of National Nuclear Security Administration (sec. 3132)**

The House bill contained a provision (sec. 3124) that would require the Administrator for Nuclear Security to submit, not later than 10 days after the date on which the President submits the budget request for a fiscal year, a report on the unfunded priorities of the National Nuclear Security Administration.

The Senate amendment contained a similar provision (sec. 3115).

The House recedes with an amendment that would clarify the definition of “unfunded priority.”

**Modification of certain reporting requirements (sec. 3133)**
The House bill contained a provision (sec. 3131) that would modify certain reporting requirements for the National Nuclear Security Administration.

The Senate amendment contained a similar provision (sec. 3113).

The Senate recedes with an amendment that would drop subsection (g) of the Senate provision, the modification of section 3121 of the National Defense Authorization Act for Fiscal Year 2013 (P.L. 112-239).

Modification to stockpile stewardship, management, and responsiveness plan (sec. 3134)

The House bill contained a provision (sec. 3135) that would amend section 4203 of the Atomic Energy Defense Act (50 U.S.C. 2523) to require the Administrator for Nuclear Energy to include, within the Stockpile Stewardship, Management, and Responsiveness Plan (SSMRP), an assessment of whether the programs described in the SSMRP can be executed within current and projected budgets as well as any associated risks.

The Senate amendment contained no similar provision.

The Senate recedes.

Assessment and development of prototype nuclear weapons of foreign countries (sec. 3135)

The Senate amendment contained a provision (sec. 3111) that would eliminate section 2660 of title 50, U.S. Code, (Design and use of prototypes of nuclear weapons intelligence purposes) and incorporate its functions into section 2538b of title 50, U.S. Code (Stockpile Responsiveness Program).

The House bill contained no similar provision.

The Senate recedes.

Plan for verification, detection, and monitoring of nuclear weapons and fissile material (sec. 3136)

The House bill contained a provision (sec. 3126) that would require the President, in consultation with the Secretary of State, the Secretary of Defense, the Secretary of Energy, the Secretary of Homeland Security, and the Director of National Intelligence, to develop a plan for verification and monitoring relating to the potential proliferation of nuclear weapons, components of such weapons, and fissile material.

The Senate amendment contained no similar provision.

The Senate recedes.
The conferees direct the Comptroller General of the United States to review the plan for verification and monitoring required by this provision, assessing whether the plan responds specifically to the congressional mandate, the extent to which the plan contains sufficient details about the required elements of the report, including the requirements, costs and funding, and identifying interagency roles, responsibilities and planning; an international engagement plan; a description of research and development efforts and measures to coordinate requirements early in the process; and engagement of relevant government department and agencies, national laboratories, industry and academia. The Comptroller’s review shall also assess whether there are any gaps in the plan. The Comptroller shall submit his review to the appropriate congressional committees no later than 90 days after the plan is submitted to Congress. The conferees direct that the Secretary of Energy, as lead agency for the development of the plan, submit the required plan required by this section to the Comptroller for purposes of this review at the time it is submitted to Congress. In addition, the conferees direct the Comptroller, no later than 60 days after the enactment of this Act, to review and submit an assessment of the plans submitted to Congress required by section 3133 of the National Defense Authorization for Fiscal Year 2015 (Public Law 113-291), and the update required in section 3132 of the National Defense Authorization for Fiscal Year 2017 (Public Law 114-328).

Review of United States nuclear and radiological terrorism prevention strategy (sec. 3137)

The Senate amendment contained a provision (sec. 6603) that would require the Secretary of Energy, acting through the Administrator for Nuclear Security, to enter into an arrangement with the National Academy of Sciences to assess and recommend improvements to the strategies of the United States for preventing, counteracting, and responding to nuclear and radiological terrorism, specifically terrorism involving the use of nuclear weapons, improvised nuclear devices, or radiological dispersal or exposure devices, or the sabotage of nuclear facilities.

The House bill contained no similar provision.

The House recedes with an amendment that would change the arrangement between the Secretary of Energy and the National Academy of Sciences to the independent scientific advisory group, known as JASON.
Assessment of management and operating contracts of national security laboratories (sec. 3138)

The House bill contained a provision (sec. 3132) that would require, within 30 days of the date of enactment of this Act, the Administrator for Nuclear Security to seek to enter into a contract with a federally funded research and development center (FFRDC) to conduct an assessment of the benefits, costs, challenges, risks, efficiency, and effectiveness of the Administrator’s strategy for management and operating contracts for national security laboratories. The provision would further require the FFRDC to submit this report to the Administrator within 90 days of contract award and require the Administrator to provide the FFRDC report, unchanged, to the congressional defense committees. Finally, the provision would prohibit the Administrator from awarding or extending a management and operating contract for a national security laboratory until the Administrator submits the FFRDC report to Congress.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would clarify that the prohibition would apply only to the issuing of a final award or decision to extend a contract and not to activities to prepare for such an award or extension.

Evaluation of classification of certain defense nuclear waste (sec. 3139)

The House bill contained a provision (sec. 3133) that would require the Secretary of Energy to conduct an evaluation of the feasibility, costs, and cost savings of classifying certain defense nuclear waste as other than high-level radioactive waste.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

The conferees note that as the Department concentrates on remediating low activity waste at Hanford, the conferees direct the Secretary of Energy to develop a plan to maintain a core technical competency of staff at the Waste Treatment Plant in the areas of high level waste pretreatment and vitrification, since ultimately it will be required to meet consent order agreement milestones. This plan is due to the congressional defense committees no later than March 31, 2018.

Improved reporting for anti-smuggling radiation detection systems (sec. 3140)
The House bill contained a provision (sec. 3136) that would require the Administrator for Nuclear Security to submit to the congressional defense committees, with the President’s budget request for fiscal years 2019 through 2021, a report regarding any anti-smuggling radiation detection systems that the Administrator proposes to deploy during the fiscal year covered by the budget request.

The Senate amendment contained no similar provision.

The Senate recedes.

Plutonium capabilities (sec. 3141)

The House bill contained a provision (sec. 3125) that would require, no later than 30 days after the date of enactment of this Act, the Administrator for Nuclear Security to submit to the congressional defense committees and the Secretary of Defense a report on the recommended alternative endorsed by the Administrator for recapitalization of plutonium science and production capabilities of the nuclear security enterprise. The provision would also require the Chairman of the Nuclear Weapons Council to submit to the congressional defense committees a certification of whether the recommended alternative endorsed by the Administrator is acceptable to the Secretary of Defense and the Nuclear Weapons Council and is likely to meet pit production timelines and milestones. Finally, the provision would require the Director for Cost Estimating and Program Evaluation (CEPE) of the National Nuclear Security Administration to provide to the congressional defense committees a briefing on the analysis of alternatives.

The Senate amendment contained a similar provision (sec. 13101) that would require the Director of CEPE to consult with the Director of Cost Assessment and Program Evaluation (CAPE) of the Department of Defense on the briefing and would also require the Comptroller General of the United States to provide a briefing on the analysis conducted by the Administrator.

The House recedes with amendments that would strike the review by the Comptroller General of the United States and the consultation with CAPE on the briefing. The amendments would also require that, if by 150 days after the date of enactment of this Act the Administrator has not yet identified the preferred alternative or if the Chairman of the Nuclear Weapons Council has not provided the required certification that the chosen alternative meets the criteria as laid out, the Administrator shall carry out the modular building strategy (as defined in section 3114(c)(3) of the National Defense Authorization Act for Fiscal Year 2013 (P.L. 112-239)) at Los Alamos National Laboratory.
Report on critical decision 1 on Material Staging Facility project (sec. 3142)

The House bill contained a provision (sec. 3134) that would require the Administrator for Nuclear Security to submit a report to the congressional defense committees no later than October 31, 2017, containing the Administrator’s decision memorandum for critical decision 1 on the Material Staging Facility project at the Pantex Plant.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would change the due date of the report from October 31, 2017, to 30 days from enactment of this Act.

Plan to further minimize the use of highly enriched uranium for medical isotopes (sec. 3143)

The House bill contained a provision (sec. 3140) that would require the Secretary of Energy to develop and submit a plan, no later than April 1, 2018, to promote production of molybdenum-99 and technetium-99m without highly enriched uranium.

The Senate amendment contained no similar provision.

The Senate recedes.

SUBTITLE D—OTHER MATTERS

Sense of Congress regarding uranium mining and nuclear testing (sec. 3151)

The House bill contained a provision (sec. 3139) that would express the sense of Congress that the United States should compensate and recognize all of the miners, workers, downwinders, and others suffering from the effects of uranium mining and nuclear testing carried out during the Cold War.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make a series of related findings regarding the Radiation Exposure Compensation Act and the Energy Employees Occupational Illness Compensation Program Act of 2000 (P.L. 101-426). The amendment would also acknowledge that, as of the date of enactment of this Act, more than 145,775 claims have been paid out for a total of $16.4 billion in lump sum compensation and medical expenses under these two Acts.

LEGISLATIVE PROVISIONS NOT ADOPTED
Department of Energy Counterintelligence polygraph program

The House bill contained a provision (sec. 3122) that would require the Secretary of Energy to add dual-nationals seeking employment in positions with access to classified information to their counterintelligence polygraph program.

The Senate amendment contained no similar provision.

The House recedes.

Security clearance for dual-nationals employed by National Nuclear Security Agency

The House bill contained a provision (sec. 3123) that would require the Secretary of Energy to apply additional review before approving a security clearance for dual-nationals whose second nationality is that of a high-threat foreign state as designated by the Secretary of Energy.

The Senate amendment contained no similar provision.

The House recedes.

Assessment of design trade options of W80-4 warhead

The House bill contained a provision (sec. 3138) that would require the Director for Cost Estimating and Program Evaluation of the National Nuclear Security Administration to conduct an assessment of the design trade options, and the associated costs and benefits of each option, for the W80-4 warhead.

The Senate amendment contained no similar provision.

The House recedes.

**TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD**

Authorization (sec. 3201)

The House bill contained a provision (sec. 3201) that would authorize $30.6 million for the operation of the Defense Nuclear Facilities Safety Board under chapter 21 of the Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.), consistent with the President’s fiscal year 2018 budget request.

The Senate amendment contained an identical provision (sec. 3201).

The Senate amendment contained another provision (sec. 8201) that would require the Defense Nuclear Facilities Safety Board, not later than 10 days after the date on which the budget
of the President for a fiscal year is submitted to Congress, to submit to the congressional defense committees a letter certifying that the requested budget is sufficient for the conduct of the safety reviews that the Board intends to conduct in that fiscal year or, if the Board is unable to certify this, a letter including a list of such reviews and the estimated level of additional funding required to conduct such reviews.

The House recedes with an amendment that would require the letter to certify that the requested budget is sufficient to carry out the mission of the Board during the fiscal year covered by the budget request.

**TITLE XXXIV—NAVAL PETROLEUM RESERVES**

**Authorization of appropriations (sec. 3401)**

The House bill contained a provision (sec. 3401) that would authorize $4.9 million for fiscal year 2018 for the operation and maintenance of the naval petroleum reserves. The Senate amendment contained no similar provision. The Senate recedes.

**TITLE XXXV—MARITIME ADMINISTRATION**

**LEGISLATIVE PROVISIONS ADOPTED**

**Authorization of the Maritime Administration (sec. 3501)**

The Senate amendment contained a provision (sec. 13502) that would authorize appropriations to the Department of Transportation for fiscal year 2018 for programs associated with maintaining the United States merchant marine, including authorizations for: the United States Merchant Marine Academy (USMMA); State maritime academies; National Security Multi-Mission Vessel; Maritime Administration operations and programs; disposal of vessels in the National Defense Reserve Fleet; Title XI loan program; and Small Shipyards Grant Program. The Senate amendment would also explicitly authorize funds for satellite communication devices for USMMA students in the Sea Year program and for the sexual harassment and sexual assault prevention and response at the USMMA.

The House bill contained a similar provision (sec. 3501). The House recedes with an amendment that would adopt Senate authorization for the State maritime academies, Title XI loan program, Small Shipyards Program, sexual harassment and sexual assault prevention and response programs, and satellite
communication devices. The amendment would also adopt the House authorization for Maritime Administration operations and programs and recodification of the Maritime Security Program. The amendment would adjust authorization levels for the USMMA, disposal of vessels in the National Defense Reserve Fleet, and National Security Multi-Mission Vessel.

Merchant Ship Sales Act of 1946 (sec. 3502)

The House bill contained a provision (sec. 3502) that would repeal the first section and sections 2, 3, 5, 12, and 14 of the Merchant Ship Sales Act of 1946. Additionally, the section would transfer section 8(d) of the Act to chapter 563, Emergency Acquisition of Vessels, of title 46, United States Code. Finally, the section would transfer section 11 of the Act to chapter 571, General Authority, of title 46, United States Code.

The Senate amendment contained no similar provision.
The Senate recedes.

Maritime Security Fleet Program; restriction on operation for new entrants (sec. 3503)

The House bill contained a provision (sec. 3503) that would amend section 53105 of title 46, United States Code, and prohibit a maritime security program payment to a vessel operating in the transportation of cargo between points in the United States and its territories either directly or via a foreign port. This section would further authorize the replacement of vessels under an existing operating agreement.

The Senate amendment contained no similar provision.
The Senate recedes.

Codification of sections relating to acquisition, charter, and requisition of vessels (sec. 3504)

The House bill contained a provision (sec. 3504) that would move certain sections related to the acquisition, charter, and requisition of vessels from title 50 to title 46, United States Code, and make additional conforming changes.

The Senate amendment contained no similar provision.
The Senate recedes.

Assistance for small shipyards (sec. 3505)

The House bill contained a provision (sec. 3505) that would amend section 54101 of title 46, United States Code, and
limit small shipyard grants to organizations relating to shipbuilding, ship repair and associated industries. Additionally, this section would authorize funds for small shipyard grants for fiscal years 2018 and 2019.

The Senate amendment contained a similar provision (sec. 13607) that would allow for the reallocation of unused small shipyard grants to fund other qualifying grants. Additionally, this section would include certain Buy America requirements for the grants. The authorization of funds for small shipyard grants, for fiscal years 2018 through 2020, was included in section 13502 of the Senate amendment.

The Senate recedes with an amendment that would allow for the reallocation of unused small shipyard grants to fund other qualifying grants.

Report on sexual assault victim recovery in the Coast Guard (sec. 3506)

The House bill contained a provision (sec. 3506) that would require the Commandant of the Coast Guard to submit, not later than 180 days after the enactment of this Act, a report to Congress on sexual assault prevention and response policies of the Coast Guard and strategic goals related to sexual assault victim recovery.

The Senate amendment contained no similar provision.
The Senate recedes.

Centers of excellence (sec. 3507)

The House bill contained a provision (sec. 3507) that would authorize the Secretary of Transportation to designate centers of excellence for domestic maritime workforce training and education. The section would specify the geographic areas eligible for a center of excellence designation and it would define the entities eligible for such designation.

The Senate amendment contained a similar provision (sec. 13508) that would authorize the Secretary of Transportation to designate centers of excellence, except the Senate section would apply to some geographic areas not covered under the House section and would specify the Secretary may provide surplus Federal equipment and assets.

The Senate recedes with an amendment that would include all of the geographic areas covered under the Senate section but not under the House section, in addition to all of the geographic areas covered under the House section.

Foreign spill protection (sec. 3508)
The House bill contained a provision (sec. 3508(a)(b)) that would authorize the Foreign Spill Protection Act of 2017. The Senate amendment contained no similar provision. The Senate recedes with an amendment that removes the appropriation for continuation pay for the Department of Homeland Security-Coast Guard.

Removal of adjunct professor limit at United States Merchant Marine Academy (sec. 3509)

The Senate amendment contained a provision (sec. 13503) that would remove the limit on contracting adjunct professors in one academic trimester at the United States Merchant Marine Academy. The House bill contained no similar provision. The House recedes.

Acceptance of guarantees in conjunction with partial donations for major projects of the United States Merchant Marine Academy (sec. 3510)

The Senate amendment contained a provision (sec. 13504) that would allow a donor to the United States Merchant Marine Academy to fund a substantial portion of a major project, if such donor provides a qualified guarantee he or she would make an additional gift sufficient to complete the project if other donors do not contribute the necessary additional funds. The House bill contained no similar provision. The House recedes.

Authority to pay conveyance or transfer expenses in connection with acceptance of a gift to the United States Merchant Marine Academy (sec. 3511)

The Senate amendment contained a provision (sec. 13505) that would permit the United States Merchant Marine Academy to accept a gift, such as tangible property, that may require additional expenditures necessary for shipping or conveyance of the gift. The House bill contained no similar provision. The House recedes.

Authority to participate in Federal, State or other research grants (sec. 3512)

The Senate amendment contained a provision (sec. 13506) that would allow United States Merchant Marine Academy faculty
members to participate in competitions for grants that have scientific or educational value to the Academy.

The House bill contained no similar provision.
The House recedes with a technical amendment.

**Provision of satellite communication devices during Sea Year program (sec. 3513)**

The Senate amendment contained a provision (sec. 13509) that would require the Maritime Administration to ensure each student participating in the Sea Year program is provided or has access to a functional satellite communication device.
The House bill contained no similar provision.
The House recedes with an amendment that would insert similar language from section 13512 of the Senate amendment to ensure each student participating in the Sea Year program is provided a functional satellite communication device and that they use the device to check-in at least once per week with designated Academy personnel.

**Actions to address sexual harassment, dating violence, domestic violence, sexual assault, and stalking at the United States Merchant Marine Academy (sec. 3514)**

The Senate amendment contained a provision (sec. 13510) that would add dating violence, domestic violence, and stalking to the list of covered actions in the sexual assault and harassment policy at the United States Merchant Marine Academy. It would also set training requirements for student disciplinary grievance procedures and codify requirements to prevent retaliation.
The House bill contained no similar provision.
The House recedes with a technical amendment.

**Sexual assault prevention and response staff for the United States Merchant Marine Academy (sec. 3515)**

The Senate amendment contained a provision (sec. 13511) that would set additional training, selection, and duty requirements for the Sexual Assault Response Coordinator position at the United States Merchant Marine Academy. It would also provide Academy students with access to the Department of Defense SAFE Helpline.
The House bill contained no similar provision.
The House recedes with an amendment that would allow the Academy to provide students with access to a sexual assault
prevention and response helpline equivalent to the Department of Defense SAFE Helpline.

Protection of cadets at the United States Merchant Marine Academy from sexual assault onboard commercial vessels (sec. 3516)

The Senate amendment contained a provision (sec. 13512) that would set check-in requirements for United States Merchant Marine Academy students participating in the Sea Year program and require those students are provided functional satellite communication devices. It would also set minimum requirements for checks, certifications, and records for commercial vessels that participate in the Sea Year program.

The House bill contained no similar provision.

The House recedes with an amendment that moves to another section in the conference agreement the requirement to ensure a student participating in the Sea Year program is provided a functional satellite communication device and other technical amendments.

Training requirement for sexual assault investigators (sec. 3517)

The Senate amendment contained a provision (sec. 13513) that would require Department of Transportation Inspector General investigative employees assigned to the Regional Investigations Office in New York, New York to participate in training on sexual assault investigations.

The House bill contained no similar provision.

The House recedes with a technical amendment.

LEGISLATIVE PROVISIONS NOT ADOPTED

Maritime Administration

The Senate amendment contained provisions (sec. 3501 and sec. 13501) that would affect certain aspects of the authorization of the Maritime Administration.

The House bill contained no similar provision.

The Senate recedes.

Application of law

The House bill contained a provision (sec. 3509) that would amend section 4301 of title 46, United States Code, on matters related to recreational vessels.
The Senate amendment contained no similar provision.  
The House recedes.

Recourse for non-U.S. seamen

The House bill contained a provision (sec. 3510) that would amend section 57103 of title 46, United States Code, on matters relating to recourse for non-U.S. seamen.  
The Senate amendment contained no similar provision.  
The House recedes.

DIVISION D—FUNDING TABLES

Authorization of amounts in funding tables (sec. 4001)

The Senate amendment contained a provision (sec. 4001) that would provide for the allocation of funds among programs, projects, and activities in accordance with the tables in division D of this Act, subject to reprogramming in accordance with established procedures.  
Consistent with the previously expressed views of the committee, the provision would also require that decisions by an agency head to commit, obligate, or expend funds to a specific entity on the basis of such funding tables be based on authorized, transparent, statutory criteria or merit-based selection procedures in accordance with the requirements of sections 2304(k) and 2374 of title 10, United States Code, and other applicable provisions of law.  
The House bill contained a similar provision.  
The House recedes.
### SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2018

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
</table>

**DISCRETIONARY AUTHORIZATIONS WITHIN THE JURISDICTION OF THE ARMED SERVICES COMMITTEE**

**National Defense Funding, Base Budget Request**

**Function 051, Department of Defense-Military**

**Division A: Department of Defense Authorizations**

**Title I—Procurement**

- Aircraft Procurement, Army .................................................. 4,149,894 1,350,899 5,500,793
- Missile Procurement, Army .................................................. 3,403,054 717,406 4,120,460
- Weapons & Tracked Combat Vehicles, Army .................................. 2,423,608 1,488,796 3,912,404
- Procurement of Ammunition, Army ............................................. 1,879,283 835,284 2,714,567
- Other Procurement, Army .......................................................... 6,469,331 2,015,725 8,485,056
- Joint Improvised-Threat Defeat Fund ........................................ 14,442 14,442
- Aircraft Procurement, Navy ..................................................... 15,056,235 3,889,750 18,945,985
- Weapons Procurement, Navy ..................................................... 3,420,107 95,500 3,515,607
- Procurement of Ammunition, Navy & Marine Corps ......................... 792,345 42,500 834,845
- Shipbuilding & Conversion, Navy .............................................. 19,903,682 6,276,702 26,180,384
- Other Procurement, Navy .......................................................... 8,277,789 241,198 8,518,987
- Procurement, Marine Corps ..................................................... 2,064,825 62,579 2,127,404
- Aircraft Procurement, Air Force .............................................. 15,430,849 2,989,800 18,420,649
- Missile Procurement, Air Force .............................................. 2,308,182 17,000 2,325,182
- Space Procurement, Air Force ................................................. 3,370,775 73,800 3,444,575
- Procurement of Ammunition, Air Force ....................................... 1,376,602 1,376,602
- Other Procurement, Air Force ................................................... 19,891,552 380,330 20,271,882
- Procurement, Defense-Wide .................................................... 6,074,558 276,950 6,351,508
- Joint Urgent Operational Needs Fund ......................................... 99,795 –99,795 0
- National Guard & Reserve Equipment ........................................ 0 250,000 250,000
- **Subtotal, Title I—Procurement** ............................................ 116,406,908 20,904,424 137,311,332

**Title II—Research, Development, Test and Evaluation**

- Research, Development, Test & Evaluation, Army ......................... 9,446,140 572,304 10,018,444
- Research, Development, Test & Evaluation, Navy ....................... 17,735,035 315,730 18,050,765
- Research, Development, Test & Evaluation, Air Force ................. 35,170,103 686,650 35,856,753
- Research, Development, Test & Evaluation, Defense-Wide ............. 21,501,122 710,692 22,211,814
- Operational Test & Evaluation, Defense ................................... 210,900 0 210,900
- **Subtotal, Title II—Research, Development, Test and Evaluation** .................. 84,063,300 2,285,376 86,348,676

**Title III—Operation and Maintenance**

- Operation & Maintenance, Army .............................................. 38,945,417 1,160,643 40,106,060
- Operation & Maintenance, Army Reserve .................................. 2,906,842 89,447 2,996,299
- Operation & Maintenance, Army National Guard ......................... 7,307,170 184,383 7,491,553
- Operation & Maintenance, Navy ................................................. 46,112,907 277,900 46,390,807
- Operation & Maintenance, Marine Corps ................................... 6,933,408 82,291 7,015,699
- Operation & Maintenance, Navy Reserve .................................... 1,084,007 –5,300 1,078,707
- Operation & Maintenance, Marine Corps Reserve ....................... 278,837 4,477 283,314
- Operation & Maintenance, Air Force ......................................... 39,447,982 1,054,000 40,501,982

November 7, 2017 (1:25 p.m.)
### SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2018—Continued

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation &amp; Maintenance, Air Force Reserve</td>
<td>3,267,507</td>
<td>59,900</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Air National Guard</td>
<td>6,939,968</td>
<td>110,800</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Defense-Wide</td>
<td>34,609,552</td>
<td>-87,100</td>
</tr>
<tr>
<td>US Court of Appeals for the Armed Forces, Defense</td>
<td>14,538</td>
<td></td>
</tr>
<tr>
<td>Overseas Humanitarian, Disaster and Civic Aid</td>
<td>104,900</td>
<td>104,900</td>
</tr>
<tr>
<td>Cooperative Threat Reduction</td>
<td>324,600</td>
<td>324,600</td>
</tr>
<tr>
<td>Environmental Restoration, Army</td>
<td>215,809</td>
<td>215,809</td>
</tr>
<tr>
<td>Environmental Restoration, Navy</td>
<td>281,415</td>
<td>42,234</td>
</tr>
<tr>
<td>Environmental Restoration, Air Force</td>
<td>293,749</td>
<td>30,000</td>
</tr>
<tr>
<td>Environmental Restoration, Defense</td>
<td>9,002</td>
<td>9,002</td>
</tr>
<tr>
<td>Environmental Restoration, Formerly Used Sites</td>
<td>208,673</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal, Title III—Operation and Maintenance</strong></td>
<td>189,286,283</td>
<td>3,003,675</td>
</tr>
<tr>
<td>Title IV—Military Personnel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Military Personnel Appropriations</td>
<td>133,881,636</td>
<td>127,350</td>
</tr>
<tr>
<td>Medicare-Eligible Retiree Health Fund Contributions</td>
<td>7,804,427</td>
<td>33,000</td>
</tr>
<tr>
<td><strong>Subtotal, Title IV—Military Personnel</strong></td>
<td>141,686,063</td>
<td>160,350</td>
</tr>
<tr>
<td>Title XIV—Other Authorizations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working Capital Fund, Army</td>
<td>83,776</td>
<td>83,776</td>
</tr>
<tr>
<td>Working Capital Fund, Air Force</td>
<td>66,462</td>
<td>66,462</td>
</tr>
<tr>
<td>Working Capital Fund, DECA</td>
<td>1,389,340</td>
<td>1,389,340</td>
</tr>
<tr>
<td>Working Capital Fund, Defense-Wide</td>
<td>47,018</td>
<td>47,018</td>
</tr>
<tr>
<td>National Defense Sealift Fund</td>
<td>509,327</td>
<td>7,000</td>
</tr>
<tr>
<td>Chemical Agents &amp; Munitions Destruction</td>
<td>961,732</td>
<td>961,732</td>
</tr>
<tr>
<td>Drug Interdiction and Counter Drug Activities</td>
<td>790,814</td>
<td>31,000</td>
</tr>
<tr>
<td>Office of the Inspector General</td>
<td>336,887</td>
<td>336,887</td>
</tr>
<tr>
<td>Defense Health Program</td>
<td>33,664,466</td>
<td>-211,600</td>
</tr>
<tr>
<td><strong>Subtotal, Title XIV—Other Authorizations</strong></td>
<td>37,849,822</td>
<td>-173,600</td>
</tr>
<tr>
<td><strong>Total, Division A: Department of Defense Authorizations</strong></td>
<td>569,292,376</td>
<td>26,180,225</td>
</tr>
<tr>
<td>Division B: Military Construction Authorizations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Military Construction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>920,394</td>
<td>62,400</td>
</tr>
<tr>
<td>Navy</td>
<td>1,616,665</td>
<td>103,740</td>
</tr>
<tr>
<td>Air Force</td>
<td>1,738,796</td>
<td>-60,622</td>
</tr>
<tr>
<td>Defense-Wide</td>
<td>3,314,913</td>
<td>-373,400</td>
</tr>
<tr>
<td>NATO Security Investment Program</td>
<td>154,000</td>
<td>154,000</td>
</tr>
<tr>
<td>Army National Guard</td>
<td>210,652</td>
<td>83,500</td>
</tr>
<tr>
<td>Army Reserve</td>
<td>73,712</td>
<td>56,000</td>
</tr>
<tr>
<td>Navy and Marine Corps Reserve</td>
<td>65,271</td>
<td>65,271</td>
</tr>
<tr>
<td>Air National Guard</td>
<td>161,491</td>
<td>34,000</td>
</tr>
<tr>
<td>Air Force Reserve</td>
<td>63,535</td>
<td>57,600</td>
</tr>
<tr>
<td>Unaccompanied Housing Improvement Fund</td>
<td>623</td>
<td>623</td>
</tr>
<tr>
<td><strong>Subtotal, Military Construction</strong></td>
<td>8,320,052</td>
<td>-36,782</td>
</tr>
</tbody>
</table>

November 7, 2017 (1:25 p.m.)
### SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2018—Continued

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Item</th>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction, Army</td>
<td>182,662</td>
<td></td>
<td>182,662</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Army</td>
<td>346,625</td>
<td></td>
<td>346,625</td>
</tr>
<tr>
<td>Construction, Navy and Marine Corps</td>
<td>83,682</td>
<td></td>
<td>83,682</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Navy and Marine Corps</td>
<td>328,282</td>
<td></td>
<td>328,282</td>
</tr>
<tr>
<td>Construction, Air Force</td>
<td>85,062</td>
<td></td>
<td>85,062</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Air Force</td>
<td>318,324</td>
<td></td>
<td>318,324</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Defense-Wide</td>
<td>59,169</td>
<td></td>
<td>59,169</td>
</tr>
<tr>
<td>Improvement Fund</td>
<td>2,726</td>
<td></td>
<td>2,726</td>
</tr>
<tr>
<td><strong>Subtotal, Family Housing</strong></td>
<td>1,406,532</td>
<td>0</td>
<td>1,406,532</td>
</tr>
<tr>
<td><strong>Base Realignment and Closure</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base Realignment and Closure—Army</td>
<td>58,000</td>
<td></td>
<td>58,000</td>
</tr>
<tr>
<td>Base Realignment and Closure—Navy</td>
<td>143,644</td>
<td>35,000</td>
<td>178,644</td>
</tr>
<tr>
<td>Base Realignment and Closure—Air Force</td>
<td>54,223</td>
<td></td>
<td>54,223</td>
</tr>
<tr>
<td><strong>Subtotal, Base Realignment and Closure</strong></td>
<td>255,867</td>
<td>35,000</td>
<td>290,867</td>
</tr>
<tr>
<td><strong>Total, Division B: Military Construction Authorizations</strong></td>
<td>9,982,451</td>
<td>–1,782</td>
<td>9,980,669</td>
</tr>
<tr>
<td><strong>Total, 051, Department of Defense—Military</strong></td>
<td>579,274,827</td>
<td>26,178,443</td>
<td>605,453,270</td>
</tr>
</tbody>
</table>

Division C: Department of Energy National Security Authorization and Other Authorizations

**Function 053, Atomic Energy Defense Activities**

| Environmental and Other Defense Activities                            |                 |                   |                        |
| Nuclear Energy                                                       | 133,000         |                   | 133,000                |
| Weapons Activities                                                   | 10,239,344      | 138,131           | 10,377,475             |
| Defense Nuclear Nonproliferation                                      | 1,793,310       | 90,000            | 1,883,310              |
| Naval Reactors                                                       | 1,479,751       |                   | 1,479,751              |
| Federal Salaries and Expenses                                        | 418,595         | –11,000           | 407,595                |
| Defense Environmental Cleanup                                         | 5,537,186       | –97,080           | 5,440,106              |
| Other Defense Activities                                             | 815,512         | 488               | 816,000                |
| Defense Nuclear Waste Disposal                                       | 30,000          |                   | 30,000                 |
| **Subtotal, Environmental and Other Defense Activities**             | 20,446,698      | 120,539           | 20,567,237             |

**Independent Federal Agency Authorization**

| Defense Nuclear Facilities Safety Board                               | 30,600          |                   | 30,600                 |
| **Subtotal, Independent Federal Agency Authorization**               | 30,600          | 0                 | 30,600                 |

**Subtotal, 053, Atomic Energy Defense Activities**                   | 20,477,298      | 120,539           | 20,597,837             |

**Function 054, Defense-Related Activities**

| Other Agency Authorizations                                           |                 |                   |                        |
| Maritime Security Program                                            | 210,000         | 90,000            | 300,000                |
| **Subtotal, Independent Federal Agency Authorization**               | 210,000         | 90,000            | 300,000                |

**Subtotal, 054, Defense-Related Activities**                         | 210,000         | 90,000            | 300,000                |
<table>
<thead>
<tr>
<th></th>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtotal, Division C: Department of Energy National Security Authorization and Other Authorizations</td>
<td>20,687,298</td>
<td>210,539</td>
<td>20,897,837</td>
</tr>
<tr>
<td>Total, National Defense Funding, Base Budget Request</td>
<td>599,962,125</td>
<td>26,388,982</td>
<td>626,351,107</td>
</tr>
<tr>
<td>National Defense Funding, Overseas Contingency Operations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Function 051, Department of Defense-Military</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Procurement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aircraft Procurement, Army</td>
<td>424,686</td>
<td></td>
<td>424,686</td>
</tr>
<tr>
<td>Missile Procurement, Army</td>
<td>559,283</td>
<td></td>
<td>559,283</td>
</tr>
<tr>
<td>Weapons &amp; Tracked Combat Vehicles, Army</td>
<td>1,191,139</td>
<td></td>
<td>1,191,139</td>
</tr>
<tr>
<td>Procurement of Ammunition, Army</td>
<td>193,436</td>
<td></td>
<td>193,436</td>
</tr>
<tr>
<td>Other Procurement, Army</td>
<td>405,575</td>
<td></td>
<td>405,575</td>
</tr>
<tr>
<td>Joint Improvised-Threat Defeat Fund</td>
<td>483,058</td>
<td></td>
<td>483,058</td>
</tr>
<tr>
<td>Aircraft Procurement, Navy</td>
<td>157,300</td>
<td></td>
<td>157,300</td>
</tr>
<tr>
<td>Weapons Procurement, Navy</td>
<td>152,373</td>
<td></td>
<td>152,373</td>
</tr>
<tr>
<td>Procurement of Ammunition, Navy &amp; Marine Corps</td>
<td>236,440</td>
<td></td>
<td>236,440</td>
</tr>
<tr>
<td>Other Procurement, Navy</td>
<td>251,559</td>
<td></td>
<td>251,559</td>
</tr>
<tr>
<td>Procurement, Marine Corps</td>
<td>65,274</td>
<td></td>
<td>65,274</td>
</tr>
<tr>
<td>Aircraft Procurement, Air Force</td>
<td>740,778</td>
<td></td>
<td>740,778</td>
</tr>
<tr>
<td>Missile Procurement, Air Force</td>
<td>395,400</td>
<td></td>
<td>395,400</td>
</tr>
<tr>
<td>Space Procurement, Air Force</td>
<td>2,256</td>
<td></td>
<td>2,256</td>
</tr>
<tr>
<td>Procurement of Ammunition, Air Force</td>
<td>501,509</td>
<td>30,700</td>
<td>532,209</td>
</tr>
<tr>
<td>Other Procurement, Air Force</td>
<td>4,008,887</td>
<td></td>
<td>4,008,887</td>
</tr>
<tr>
<td>Procurement, Defense-Wide</td>
<td>518,026</td>
<td></td>
<td>518,026</td>
</tr>
<tr>
<td>Subtotal, Procurement</td>
<td>10,286,979</td>
<td>30,700</td>
<td>10,317,679</td>
</tr>
<tr>
<td>Research, Development, Test and Evaluation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research, Development, Test &amp; Evaluation, Army</td>
<td>119,368</td>
<td></td>
<td>119,368</td>
</tr>
<tr>
<td>Research, Development, Test &amp; Evaluation, Navy</td>
<td>167,565</td>
<td></td>
<td>167,565</td>
</tr>
<tr>
<td>Research, Development, Test &amp; Evaluation, Air Force</td>
<td>135,358</td>
<td></td>
<td>135,358</td>
</tr>
<tr>
<td>Research, Development, Test &amp; Evaluation, Defense-Wide</td>
<td>226,096</td>
<td></td>
<td>226,096</td>
</tr>
<tr>
<td>Subtotal, Research, Development, Test and Evaluation</td>
<td>648,387</td>
<td>0</td>
<td>648,387</td>
</tr>
<tr>
<td>Operation and Maintenance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Army</td>
<td>16,998,894</td>
<td>-250,000</td>
<td>16,748,894</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Army Reserve</td>
<td>24,699</td>
<td></td>
<td>24,699</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Army National Guard</td>
<td>108,111</td>
<td></td>
<td>108,111</td>
</tr>
<tr>
<td>Afghanistan Security Forces Fund</td>
<td>4,937,515</td>
<td></td>
<td>4,937,515</td>
</tr>
<tr>
<td>Counter-ISIS Train &amp; Equip Fund</td>
<td>1,769,000</td>
<td></td>
<td>1,769,000</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Navy</td>
<td>5,951,289</td>
<td></td>
<td>5,951,289</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Marine Corps</td>
<td>1,141,374</td>
<td></td>
<td>1,141,374</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Navy Reserve</td>
<td>23,980</td>
<td></td>
<td>23,980</td>
</tr>
<tr>
<td>Operation &amp; Maintenance, Marine Corps Reserve</td>
<td>3,367</td>
<td></td>
<td>3,367</td>
</tr>
</tbody>
</table>
## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2018—Continued

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th></th>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operation &amp; Maintenance, Air Force</strong></td>
<td>10,266,295</td>
<td></td>
<td>10,266,295</td>
</tr>
<tr>
<td><strong>Operation &amp; Maintenance, Air Force Reserve</strong></td>
<td>58,523</td>
<td></td>
<td>58,523</td>
</tr>
<tr>
<td><strong>Operation &amp; Maintenance, Air National Guard</strong></td>
<td>15,400</td>
<td></td>
<td>15,400</td>
</tr>
<tr>
<td><strong>Operation &amp; Maintenance, Defense-Wide</strong></td>
<td>7,793,244</td>
<td>−250,000</td>
<td>7,543,244</td>
</tr>
<tr>
<td><strong>Ukraine Security Assistance</strong></td>
<td>0</td>
<td>350,000</td>
<td>350,000</td>
</tr>
<tr>
<td><strong>Subtotal, Operation and Maintenance</strong></td>
<td>49,091,691</td>
<td>−150,000</td>
<td>48,941,691</td>
</tr>
<tr>
<td><strong>Military Personnel</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Military Personnel Appropriations</strong></td>
<td>4,326,172</td>
<td></td>
<td>4,326,172</td>
</tr>
<tr>
<td><strong>Subtotal, Military Personnel</strong></td>
<td>4,326,172</td>
<td>0</td>
<td>4,326,172</td>
</tr>
<tr>
<td><strong>Other Authorizations</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Working Capital Fund, Army</strong></td>
<td>50,111</td>
<td></td>
<td>50,111</td>
</tr>
<tr>
<td><strong>Working Capital Fund, Defense-Wide</strong></td>
<td>98,845</td>
<td></td>
<td>98,845</td>
</tr>
<tr>
<td><strong>Drug Interdiction and Counter Drug Activities</strong></td>
<td>196,300</td>
<td></td>
<td>196,300</td>
</tr>
<tr>
<td><strong>Office of the Inspector General</strong></td>
<td>24,692</td>
<td></td>
<td>24,692</td>
</tr>
<tr>
<td><strong>Defense Health Program</strong></td>
<td>395,805</td>
<td></td>
<td>395,805</td>
</tr>
<tr>
<td><strong>Subtotal, Other Authorizations</strong></td>
<td>765,753</td>
<td>0</td>
<td>765,753</td>
</tr>
<tr>
<td><strong>Military Construction</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Army</strong></td>
<td>139,700</td>
<td>6,400</td>
<td>146,100</td>
</tr>
<tr>
<td><strong>Navy</strong></td>
<td>18,500</td>
<td>13,390</td>
<td>31,890</td>
</tr>
<tr>
<td><strong>Air Force</strong></td>
<td>478,030</td>
<td>22,400</td>
<td>500,432</td>
</tr>
<tr>
<td><strong>Defense-Wide</strong></td>
<td>1,900</td>
<td>22,400</td>
<td>24,300</td>
</tr>
<tr>
<td><strong>Subtotal, Military Construction</strong></td>
<td>638,130</td>
<td>110,512</td>
<td>748,642</td>
</tr>
<tr>
<td><strong>Subtotal, Overseas Contingency Operations</strong></td>
<td>65,757,112</td>
<td>−8,788</td>
<td>65,748,324</td>
</tr>
<tr>
<td><strong>Subtotal, 051, Department of Defense-Military</strong></td>
<td>65,757,112</td>
<td>−8,788</td>
<td>65,748,324</td>
</tr>
<tr>
<td><strong>Total, National Defense Funding, Overseas Contingency Operations Budget Request</strong></td>
<td>65,757,112</td>
<td>−8,788</td>
<td>65,748,324</td>
</tr>
<tr>
<td><strong>Total, National Defense</strong></td>
<td>665,719,237</td>
<td>26,380,194</td>
<td>692,099,431</td>
</tr>
</tbody>
</table>

**MEMORANDUM: NON-DEFENSE AUTHORIZATIONS**

- Title XI—Financial obligations pursuant to Section 432 of the Compact of Free Association with Palau (Function 800) | 123,900 |
- Title XIV—Armed Forces Retirement Home (Function 600) | 64,300 |
- Title XXXIV—Naval Petroleum and Oil Shale Reserves (Function 270) | 4,900 |

**MEMORANDUM: TRANSFER AUTHORITIES (NON-ADD)**

- Title X—General Transfer Authority | [5,000,000] |
- Title XV—Special Transfer Authority | [4,500,000] |

November 7, 2017 (1:25 p.m.)
MEMORANDUM: DEFENSE AUTHORIZATIONS NOT UNDER THE JURISDICTION OF THE ARMED SERVICES COMMITTEE (NON-ADD)

<table>
<thead>
<tr>
<th>Description</th>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defense Production Act</td>
<td>[37,401]</td>
<td>[37,401]</td>
<td>[37,401]</td>
</tr>
</tbody>
</table>
# National Defense Budget Authority Implication

## In Thousands of Dollars

<table>
<thead>
<tr>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUBTOTAL, DEPARTMENT OF DEFENSE (051)</strong></td>
<td>579,274,827</td>
<td>26,178,443</td>
</tr>
<tr>
<td><strong>SUBTOTAL, ATOMIC ENERGY DEFENSE PROGRAMS (053)</strong></td>
<td>20,477,298</td>
<td>120,539</td>
</tr>
<tr>
<td><strong>SUBTOTAL, DEFENSE-RELATED ACTIVITIES (054)</strong></td>
<td>210,000</td>
<td>90,000</td>
</tr>
<tr>
<td><strong>TOTAL, NATIONAL DEFENSE (050) — BASE BILL</strong></td>
<td>599,962,125</td>
<td>26,388,982</td>
</tr>
<tr>
<td><strong>GRAND TOTAL, NATIONAL DEFENSE</strong></td>
<td>665,719,237</td>
<td>26,380,194</td>
</tr>
</tbody>
</table>

## Base National Defense Discretionary Programs That Are Not In the Jurisdiction of the Armed Services Committee or Do Not Require Additional Authorization

<table>
<thead>
<tr>
<th>Description</th>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defense Production Act Purchases</td>
<td>37,000</td>
<td></td>
<td>37,000</td>
</tr>
<tr>
<td>Indefinite Account: Disposal Of DOD Real Property</td>
<td>8,000</td>
<td></td>
<td>8,000</td>
</tr>
<tr>
<td>Indefinite Account: Lease Of DOD Real Property</td>
<td>38,000</td>
<td></td>
<td>38,000</td>
</tr>
<tr>
<td><strong>Subtotal, Budget Sub-Function 051</strong></td>
<td>83,000</td>
<td></td>
<td>83,000</td>
</tr>
<tr>
<td>Formerly Utilized Sites Remedial Action Program</td>
<td>118,000</td>
<td></td>
<td>118,000</td>
</tr>
<tr>
<td><strong>Subtotal, Budget Sub-Function 053</strong></td>
<td>118,000</td>
<td></td>
<td>118,000</td>
</tr>
<tr>
<td>Other Discretionary Programs</td>
<td>7,645,000</td>
<td></td>
<td>7,645,000</td>
</tr>
<tr>
<td><strong>Subtotal, Budget Sub-Function 054</strong></td>
<td>7,645,000</td>
<td></td>
<td>7,645,000</td>
</tr>
<tr>
<td><strong>Total Defense Discretionary Adjustments (050)</strong></td>
<td>7,846,000</td>
<td></td>
<td>7,846,000</td>
</tr>
</tbody>
</table>

## National Defense Discretionary Programs

<table>
<thead>
<tr>
<th>Description</th>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Defense—Military (051)</td>
<td>645,114,399</td>
<td>26,169,655</td>
<td>671,284,594</td>
</tr>
<tr>
<td>Atomic Energy Defense Activities (053)</td>
<td>20,595,298</td>
<td>120,539</td>
<td>20,715,837</td>
</tr>
<tr>
<td>Defense-Related Activities (054)</td>
<td>7,855,000</td>
<td>90,000</td>
<td>7,945,000</td>
</tr>
<tr>
<td><strong>Total BA Implication, National Defense Discretionary</strong></td>
<td>673,565,237</td>
<td>26,380,194</td>
<td>699,945,431</td>
</tr>
</tbody>
</table>

## National Defense Mandatory Programs, Current Law (CBO Estimates)

<table>
<thead>
<tr>
<th>Description</th>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concurrent receipt accrual payments to the Military Retirement Fund</td>
<td>7,496,000</td>
<td></td>
<td>7,496,000</td>
</tr>
<tr>
<td>Revolving, trust and other DOD Mandatory</td>
<td>1,333,000</td>
<td></td>
<td>1,333,000</td>
</tr>
<tr>
<td>Offsetting receipts</td>
<td>–1,889,000</td>
<td></td>
<td>–1,889,000</td>
</tr>
<tr>
<td><strong>Subtotal, Budget Sub-Function 051</strong></td>
<td>6,940,000</td>
<td></td>
<td>6,940,000</td>
</tr>
<tr>
<td>Energy employees occupational illness compensation programs and other</td>
<td>1,273,000</td>
<td></td>
<td>1,273,000</td>
</tr>
<tr>
<td>Radiation exposure compensation trust fund</td>
<td>59,000</td>
<td></td>
<td>59,000</td>
</tr>
<tr>
<td>Payment to CIA retirement fund and other</td>
<td>514,000</td>
<td></td>
<td>514,000</td>
</tr>
<tr>
<td><strong>Subtotal, Budget Sub-Function 054</strong></td>
<td>573,000</td>
<td></td>
<td>573,000</td>
</tr>
<tr>
<td>BCA Mandatory Sequestration—Undistributed Plug</td>
<td>–691,000</td>
<td></td>
<td>–691,000</td>
</tr>
<tr>
<td><strong>Total National Defense Mandatory (050)</strong></td>
<td>8,095,000</td>
<td></td>
<td>8,095,000</td>
</tr>
</tbody>
</table>

## Budget Authority Implication, National Defense Discretionary and Mandatory

<table>
<thead>
<tr>
<th>Description</th>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Defense—Military (051)</td>
<td>652,054,393</td>
<td>26,169,655</td>
<td>678,224,594</td>
</tr>
<tr>
<td>Atomic Energy Defense Activities (053)</td>
<td>21,868,298</td>
<td>120,539</td>
<td>21,988,837</td>
</tr>
<tr>
<td>Defense-Related Activities (054)</td>
<td>8,428,000</td>
<td>90,000</td>
<td>8,518,000</td>
</tr>
</tbody>
</table>

---

November 7, 2017 (1:25 p.m.)
## National Defense Budget Authority Implication—Continued

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>FY 2018 Request</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total BA Implication, National Defense Discretionary and Mandatory</td>
<td>682,351,237</td>
<td>26,380,194</td>
</tr>
</tbody>
</table>
### TITLE XLI—PROCUREMENT

#### SEC. 4101. PROCUREMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>002</td>
<td>UTILITY F/W AIRCRAFT</td>
<td>4</td>
<td>75,115</td>
<td>4</td>
<td>75,115</td>
<td>4</td>
</tr>
<tr>
<td>004</td>
<td>MQ-1 UAV</td>
<td>2</td>
<td>30,206</td>
<td>8</td>
<td>90,206</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>UFR: ER Improved Gray Eagle Air Vehicles</td>
<td>6</td>
<td>(60,000)</td>
<td>10</td>
<td>(100,000)</td>
<td>6</td>
</tr>
<tr>
<td>006</td>
<td>AH-64 APACHE BLOCK IIA REMAN</td>
<td>48</td>
<td>725,976</td>
<td>48</td>
<td>764,976</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures remanufactured AH64Es</td>
<td></td>
<td>(39,000)</td>
<td></td>
<td>(39,000)</td>
<td></td>
</tr>
<tr>
<td>007</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>170</td>
<td>3,910</td>
<td>170</td>
<td>3,910</td>
<td>170</td>
</tr>
<tr>
<td>008</td>
<td>AH-64 APACHE BLOCK IIIB NEW BUILD</td>
<td>13</td>
<td>374,400</td>
<td>22</td>
<td>647,800</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures AH-64E</td>
<td></td>
<td>(374,400)</td>
<td></td>
<td>(273,700)</td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td></td>
<td>71,900</td>
<td>71</td>
<td>71,900</td>
<td>71</td>
</tr>
<tr>
<td>010</td>
<td>UH-60 BLACKHAWK M MODEL (NYP)</td>
<td>48</td>
<td>938,308</td>
<td>53</td>
<td>1,224,710</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—additional 5 for ARNG</td>
<td>5</td>
<td>100,000</td>
<td>5</td>
<td>100,000</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures AH-60M ECPs</td>
<td></td>
<td>(386,402)</td>
<td></td>
<td>(386,402)</td>
<td></td>
</tr>
<tr>
<td>011</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td></td>
<td>86,295</td>
<td>86</td>
<td>86,295</td>
<td>86</td>
</tr>
<tr>
<td>012</td>
<td>UH-60 BLACK HAWK A AND L MODELS</td>
<td>36</td>
<td>76,516</td>
<td>39</td>
<td>93,216</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—OH-60Vs</td>
<td>3</td>
<td>(16,700)</td>
<td>3</td>
<td>(16,700)</td>
<td>3</td>
</tr>
<tr>
<td>013</td>
<td>CH-47 HELICOPTER</td>
<td>6</td>
<td>202,576</td>
<td>14</td>
<td>557,076</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Emergent requirements—additional 4 CH-47F Block I</td>
<td>4</td>
<td>(108,000)</td>
<td>4</td>
<td>(108,000)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—additional 4 MH-47Gs</td>
<td>4</td>
<td>(246,500)</td>
<td>4</td>
<td>(246,500)</td>
<td>4</td>
</tr>
<tr>
<td>014</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>17,820</td>
<td>17,820</td>
<td>17,820</td>
<td>17,820</td>
<td></td>
</tr>
<tr>
<td>015</td>
<td>MQ-1 PAYLOAD (NYP)</td>
<td>5,910</td>
<td>21,910</td>
<td>10</td>
<td>21,910</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures of Common Sensor Payloads</td>
<td></td>
<td>(16,000)</td>
<td></td>
<td>(16,000)</td>
<td></td>
</tr>
</tbody>
</table>

**SEC. 4101. PROCUREMENT**

**(In Thousands of Dollars)**

**AIRCRAFT PROCUREMENT, ARMY**

**F/F Fixed Wing**

**UFR: ER Improved Gray Eagle Air Vehicles**

**ROTARY**

**UFR: Procures AH64Es**

**UFR: Procures AH-64E**

**CH-47**

**Unfunded requirement—additional 4 MH-47Gs**

**MH-47**

**UFR: Procures of Common Sensor Payloads**
<table>
<thead>
<tr>
<th>Item</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSAL GROUND CONTROL EQUIPMENT (UAS)</td>
<td>15,000</td>
<td>15,000</td>
<td>15,000</td>
<td>15,000</td>
<td></td>
</tr>
<tr>
<td>GRAY EAGLE MODS</td>
<td>74,291</td>
<td>74,291</td>
<td>74,291</td>
<td>74,291</td>
<td></td>
</tr>
<tr>
<td>MULTI SENSOR ABN RECON (MP)</td>
<td></td>
<td></td>
<td>98,287</td>
<td>98,287</td>
<td>798,287</td>
</tr>
<tr>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AH-64 MODS</td>
<td>238,141</td>
<td>382,941</td>
<td>238,141</td>
<td>144,800</td>
<td>382,941</td>
</tr>
<tr>
<td>Unfunded requirement</td>
<td></td>
<td>(144,800)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CH-47 CARGO HELICOPTER MODS (MYP)</td>
<td>20,166</td>
<td>81,166</td>
<td>20,166</td>
<td>61,000</td>
<td>81,166</td>
</tr>
<tr>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRCS SEMA MODS (MP)</td>
<td>5,514</td>
<td>5,514</td>
<td>5,514</td>
<td>5,514</td>
<td></td>
</tr>
<tr>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARL SEMA MODS (MP)</td>
<td>11,650</td>
<td>11,650</td>
<td>11,650</td>
<td>11,650</td>
<td></td>
</tr>
<tr>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMBASS SEMA MODS (MP)</td>
<td>15,279</td>
<td>15,279</td>
<td>15,279</td>
<td>15,279</td>
<td></td>
</tr>
<tr>
<td>Utility Cargo Airplane Mods</td>
<td>57,737</td>
<td>57,737</td>
<td>57,737</td>
<td>57,737</td>
<td></td>
</tr>
<tr>
<td>UFR: Procures OSRVT systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NETWORK AND MISSION PLAN</td>
<td>142,102</td>
<td>142,102</td>
<td>142,102</td>
<td>142,102</td>
<td>142,102</td>
</tr>
<tr>
<td>UFR: Procures Shadow V2 BLK III systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GATM ROLLUP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: ARC-201D encrypted radios</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UAS MODS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: Procures (DSRT) systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRCRAFT SURVIVABILITY EQUIPMENT</td>
<td>70,913</td>
<td>70,913</td>
<td>70,913</td>
<td>70,913</td>
<td></td>
</tr>
<tr>
<td>SURVIVABILITY CM</td>
<td>5,884</td>
<td>5,884</td>
<td>5,884</td>
<td></td>
<td>5,884</td>
</tr>
<tr>
<td>CIRCS</td>
<td>26,825</td>
<td>88,625</td>
<td>51,825</td>
<td>25,000</td>
<td>51,825</td>
</tr>
<tr>
<td>UFR: Limited Interim Missile Warning System (LIMWS) Quick Reaction Capability.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMMON INFRARED COUNTERMEASURES (CIRCME)</td>
<td>6,337</td>
<td>6,337</td>
<td>24</td>
<td>31,337</td>
<td>24</td>
</tr>
<tr>
<td>OTHER SUPPORT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AVIONICS SUPPORT EQUIPMENT</td>
<td>7,038</td>
<td>7,038</td>
<td>7,038</td>
<td>7,038</td>
<td></td>
</tr>
<tr>
<td>COMMON GROUND EQUIPMENT</td>
<td>47,404</td>
<td>56,304</td>
<td>47,404</td>
<td>8,900</td>
<td>56,304</td>
</tr>
<tr>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td>(1,800)</td>
<td></td>
<td>(1,800)</td>
</tr>
<tr>
<td>ARCREW INTEGRATED SYSTEMS</td>
<td>47,066</td>
<td>59,166</td>
<td>47,066</td>
<td>1,115</td>
<td>47,066</td>
</tr>
<tr>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIR TRAFFIC CONTROL</td>
<td>83,790</td>
<td>84,905</td>
<td>84,905</td>
<td>1,115</td>
<td>84,905</td>
</tr>
<tr>
<td>UFR: Airspace Information System shelter and Alternate Workstation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td></td>
<td>Qty</td>
<td>Cost (Thousands of Dollars)</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>039</td>
<td>1,397</td>
<td>1,397</td>
<td>1,397</td>
<td>1,397</td>
<td>1,397</td>
</tr>
<tr>
<td>040</td>
<td>1,911</td>
<td>1,911</td>
<td>1,911</td>
<td>1,911</td>
<td>1,911</td>
</tr>
<tr>
<td>TOTAL AIRCRAFT PROCUREMENT, ARMY</td>
<td>170</td>
<td>4,149,894</td>
<td>416</td>
<td>5,703,795</td>
<td>243</td>
</tr>
</tbody>
</table>

MISSILE PROCUREMENT, ARMY

SURFACE-TO-AIR MISSILE SYSTEM

<table>
<thead>
<tr>
<th>Line</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Qty</td>
<td>Cost (Thousands of Dollars)</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>001</td>
<td>140,826</td>
<td>140,826</td>
<td>140,826</td>
<td>140,826</td>
<td>140,826</td>
</tr>
<tr>
<td>002</td>
<td>1,106,040</td>
<td>1,739,610</td>
<td>1,739,610</td>
<td>1,756,081</td>
<td>240</td>
</tr>
<tr>
<td>003</td>
<td>57,742</td>
<td>38,742</td>
<td>57,742</td>
<td>38,742</td>
<td>57,742</td>
</tr>
<tr>
<td>UFR: Additional MSE missiles</td>
<td>[633,570]</td>
<td>[650,041]</td>
<td>[633,570]</td>
<td>[650,041]</td>
<td>[633,570]</td>
</tr>
</tbody>
</table>

UFR: Tooling and practice rounds | [14,500] | [14,500] | [14,500] | [14,500] |

UFR: Improved high mobility artillery rocket system | [46,600] | [46,600] | [46,600] | [46,600] |

UFR: Additional Javelin | [373] | [373] | [373] | [373] |

UFR: Improved high mobility artillery rocket system | [576] | [576] | [576] | [576] |

UFR: Improved high mobility artillery rocket system | [238,728] | [238,728] | [238,728] | [238,728] |

UFR: Tooling and practice rounds | [14,500] | [14,500] | [14,500] | [14,500] |

UFR: Additional Javelin | [373] | [373] | [373] | [373] |

UFR: Improved high mobility artillery rocket system | [576] | [576] | [576] | [576] |

UFR: Improved high mobility artillery rocket system | [238,728] | [238,728] | [238,728] | [238,728] |

UFR: Tooling and practice rounds | [14,500] | [14,500] | [14,500] | [14,500] |

UFR: Additional Javelin | [373] | [373] | [373] | [373] |

UFR: Improved high mobility artillery rocket system | [576] | [576] | [576] | [576] |

UFR: Improved high mobility artillery rocket system | [238,728] | [238,728] | [238,728] | [238,728] |

UFR: Tooling and practice rounds | [14,500] | [14,500] | [14,500] | [14,500] |

UFR: Additional Javelin | [373] | [373] | [373] | [373] |

UFR: Improved high mobility artillery rocket system | [576] | [576] | [576] | [576] |

UFR: Improved high mobility artillery rocket system | [238,728] | [238,728] | [238,728] | [238,728] |

UFR: Tooling and practice rounds | [14,500] | [14,500] | [14,500] | [14,500] |

UFR: Additional Javelin | [373] | [373] | [373] | [373] |

UFR: Improved high mobility artillery rocket system | [576] | [576] | [576] | [576] |

UFR: Improved high mobility artillery rocket system | [238,728] | [238,728] | [238,728] | [238,728] |
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Cost</th>
<th>Unit</th>
<th>Cost</th>
<th>Unit</th>
<th>Cost</th>
<th>Unit</th>
<th>Cost</th>
<th>Unit</th>
<th>Cost</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>015</td>
<td>PATRIOT MODS</td>
<td>496,073</td>
<td></td>
<td>496,073</td>
<td></td>
<td>663,527</td>
<td></td>
<td>454</td>
<td></td>
<td>496,527</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures additional ELES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>016</td>
<td>ATACMS MODS</td>
<td>186,040</td>
<td>75</td>
<td>255,440</td>
<td>75</td>
<td>255,460</td>
<td>75</td>
<td>186,040</td>
<td>75</td>
<td>255,440</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td>UFR: Additional ATACMS</td>
<td>(75)</td>
<td></td>
<td>(69,400)</td>
<td>(75)</td>
<td>(69,400)</td>
<td>(75)</td>
<td>(75)</td>
<td>(69,400)</td>
<td>(75)</td>
<td>(69,400)</td>
</tr>
<tr>
<td>017</td>
<td>GMLRS MOD</td>
<td>531</td>
<td></td>
<td>531</td>
<td></td>
<td>531</td>
<td></td>
<td>31</td>
<td></td>
<td>531</td>
<td></td>
</tr>
<tr>
<td>018</td>
<td>STINGER MOD</td>
<td>63,090</td>
<td>576</td>
<td>91,890</td>
<td>576</td>
<td>28,800</td>
<td>576</td>
<td>91,890</td>
<td>576</td>
<td>28,800</td>
<td>576</td>
</tr>
<tr>
<td></td>
<td>UFR: Maximizes Stinger</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>019</td>
<td>AVENGER MODS</td>
<td>62,931</td>
<td></td>
<td>62,931</td>
<td></td>
<td>62,931</td>
<td></td>
<td>32</td>
<td></td>
<td>62,931</td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>ITASS/OWN MODS</td>
<td>3,500</td>
<td></td>
<td>3,500</td>
<td></td>
<td>3,500</td>
<td></td>
<td>3,500</td>
<td></td>
<td>3,500</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M270A1 MLRS launchers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>022</td>
<td>HIMARS MODIFICATIONS</td>
<td>9,566</td>
<td></td>
<td>9,566</td>
<td></td>
<td>9,566</td>
<td></td>
<td>9,566</td>
<td></td>
<td>9,566</td>
<td></td>
</tr>
<tr>
<td>023</td>
<td>SPARES AND REPAIR PARTS</td>
<td>18,915</td>
<td></td>
<td>18,915</td>
<td></td>
<td>18,915</td>
<td></td>
<td>18,915</td>
<td></td>
<td>18,915</td>
<td></td>
</tr>
<tr>
<td>024</td>
<td>SUPPORT EQUIPMENT &amp; FACILITIES</td>
<td>5,728</td>
<td></td>
<td>5,728</td>
<td></td>
<td>5,728</td>
<td></td>
<td>5,728</td>
<td></td>
<td>5,728</td>
<td></td>
</tr>
<tr>
<td>026</td>
<td>PRODUCTION BASE SUPPORT</td>
<td>1,189</td>
<td></td>
<td>1,189</td>
<td></td>
<td>1,189</td>
<td></td>
<td>1,189</td>
<td></td>
<td>1,189</td>
<td></td>
</tr>
<tr>
<td>027</td>
<td>UNDISTIBUTED</td>
<td>32</td>
<td></td>
<td>435,728</td>
<td></td>
<td>32</td>
<td></td>
<td>435,728</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL MISSILE PROCUREMENT, ARMY**

11,507 3,400,540 12,733 4,807,482 13,277 4,917,624 1,727 717,406 13,234 4,120,460

**PROCUREMENT OF W&TCV, ARMY**

**TRACED COMBAT VEHICLES**

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Cost</th>
<th>Unit</th>
<th>Cost</th>
<th>Unit</th>
<th>Cost</th>
<th>Unit</th>
<th>Cost</th>
<th>Unit</th>
<th>Cost</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>BRADLEY PROGRAM</td>
<td>111,000</td>
<td></td>
<td>111,000</td>
<td></td>
<td>111,000</td>
<td></td>
<td>111,000</td>
<td></td>
<td>111,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Recaps 1 Infantry Battalion Set of M2A4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>ARMORED MULTI PURPOSE VEHICLE (AMPV)</td>
<td>42</td>
<td>274,552</td>
<td>42</td>
<td>274,552</td>
<td>42</td>
<td>274,552</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Second SBCT set of 30mm</td>
<td>97,552</td>
<td></td>
<td>793,052</td>
<td></td>
<td>177,000</td>
<td></td>
<td>274,552</td>
<td></td>
<td>177,000</td>
<td></td>
</tr>
<tr>
<td>004</td>
<td>STRYKER (MOD)</td>
<td>5,728</td>
<td></td>
<td>5,728</td>
<td></td>
<td>5,728</td>
<td></td>
<td>5,728</td>
<td></td>
<td>5,728</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Second SBCT set of 30mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>005</td>
<td>STRYKER UPGRADE</td>
<td>1,189</td>
<td></td>
<td>1,189</td>
<td></td>
<td>1,189</td>
<td></td>
<td>1,189</td>
<td></td>
<td>1,189</td>
<td></td>
</tr>
<tr>
<td>006</td>
<td>BRADLEY PROGRAM MOD</td>
<td>444,851</td>
<td></td>
<td>444,851</td>
<td></td>
<td>444,851</td>
<td></td>
<td>444,851</td>
<td></td>
<td>444,851</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures 1 Infantry Battalion Set of M2A4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>007</td>
<td>M109 FV MODIFICATIONS</td>
<td>64,230</td>
<td></td>
<td>64,230</td>
<td></td>
<td>64,230</td>
<td></td>
<td>64,230</td>
<td></td>
<td>64,230</td>
<td></td>
</tr>
<tr>
<td>008</td>
<td>PALADIN INTEGRATED MANAGEMENT (PIR)</td>
<td>59</td>
<td>664,413</td>
<td>59</td>
<td>664,413</td>
<td>59</td>
<td>664,413</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)</td>
<td>16</td>
<td>72,402</td>
<td>16</td>
<td>72,402</td>
<td>16</td>
<td>72,402</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>ASSAULT BRIDGE MOD</td>
<td>5,855</td>
<td></td>
<td>5,855</td>
<td></td>
<td>5,855</td>
<td></td>
<td>5,855</td>
<td></td>
<td>5,855</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL TRACED COMBAT VEHICLES**

11,507 3,400,540 12,733 4,807,482 13,277 4,917,624 1,727 717,406 13,234 4,120,460
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>011</td>
<td>ASSAULT BREACHER VEHICLE</td>
<td>7</td>
<td>34,221</td>
<td>10</td>
<td>64,221</td>
<td>7</td>
</tr>
<tr>
<td>012</td>
<td>M88 FOX MODS</td>
<td>4,826</td>
<td>4,826</td>
<td>4,826</td>
<td>4,826</td>
<td></td>
</tr>
<tr>
<td>013</td>
<td>JOINT ASSAULT BRIDGE</td>
<td>27</td>
<td>128,350</td>
<td>27</td>
<td>128,350</td>
<td>27</td>
</tr>
<tr>
<td>014</td>
<td>M1 ABRAMS TANK (MOD)</td>
<td>248,826</td>
<td>419,826</td>
<td>419,826</td>
<td>171,000</td>
<td>171,000</td>
</tr>
<tr>
<td></td>
<td>UFR: Completes the first Brigade set of Trophy (NDI APS) for Abrams w/ ERI OCO (1 APS Set).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>015</td>
<td>ABRAMS UPGRADE PROGRAM</td>
<td>20</td>
<td>275,000</td>
<td>49</td>
<td>650,000</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>UFR: Recapitalization of 29 Abrams tanks to M1A2SEPv3.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>016</td>
<td>WEAPONS &amp; OTHER COMBAT VEHICLES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>018</td>
<td>M240 MEDIUM MACHINE GUN (7.62MM)</td>
<td>1,992</td>
<td>3,292</td>
<td>2,250</td>
<td>2,250</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures additional</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>019</td>
<td>MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S</td>
<td>6,520</td>
<td>58,520</td>
<td>58,520</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M3E1 light weight Carl Gustaf weapon systems.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>MORTAR SYSTEMS</td>
<td>21,452</td>
<td>34,552</td>
<td>34,552</td>
<td>13,100</td>
<td>13,100</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M121 120mm Mortars</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>021</td>
<td>XM120 GRENADE LAUNCHER MODULE (GLM)</td>
<td>4,524</td>
<td>5,324</td>
<td>5,324</td>
<td>5,324</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M320A1 40mm Grenade Launchers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>022</td>
<td>CARBINE</td>
<td>43,150</td>
<td>51,150</td>
<td>51,150</td>
<td>12,220</td>
<td>12,220</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M4A1 carbines</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>024</td>
<td>COMMON REMOTELY OPERATED WEAPONS STATION</td>
<td>750</td>
<td>10,750</td>
<td>10,750</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td></td>
<td>UFR: Accelerate CROWS modifications</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>025</td>
<td>HANDGUN</td>
<td>8,326</td>
<td>8,726</td>
<td>8,726</td>
<td>1,389</td>
<td>1,389</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Modular Handgun Systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>026</td>
<td>MOD OF WEAPONS AND OTHER COMBAT VEH</td>
<td>2,000</td>
<td>2,000</td>
<td>2,000</td>
<td>2,000</td>
<td></td>
</tr>
<tr>
<td>027</td>
<td>M777 MODS</td>
<td>3,985</td>
<td>89,785</td>
<td>89,785</td>
<td>18</td>
<td>85,787</td>
</tr>
<tr>
<td></td>
<td>UFR: Funds M777 lightweight towed howitzers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>028</td>
<td>M4 CARBINE MODS</td>
<td>31,315</td>
<td>31,315</td>
<td>31,315</td>
<td>31,315</td>
<td></td>
</tr>
<tr>
<td>029</td>
<td>M2 50 CAL MACHINE GUN MODS</td>
<td>47,414</td>
<td>52,414</td>
<td>52,414</td>
<td>188</td>
<td>188</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M2A1 .50cal machine gun</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: The table above provides a detailed breakdown of the procurement requests for various equipment items in the FY 2018 budget, highlighting the quantities and costs authorized by the House, Senate, and Conference, along with the changes in authorized amounts. Each entry includes a brief description of the item and its intended use, such as the procurement of Assault Breacher Vehicles or the recapitalization of Abrams tanks. The table also notes the completion of the first Brigade set of Trophy (NDI APS) for Abrams with ERI OCO (1 APS Set) and the recapitalization of 29 Abrams tanks to M1A2SEPv3. Additionally, it includes the procurement of M3E1 light weight Carl Gustaf weapon systems and the acceleration of CROWS modifications. The table concludes with the procurement of Modular Handgun Systems and the recapitalization of 29 Abrams tanks to M1A2SEPv3.
UFR: Procures Mk93 MG mounts, M60A1 .50cal MGs, M205 tripods.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Quantity 1</th>
<th>Quantity 2</th>
<th>Quantity 3</th>
<th>Quantity 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>M249 SAW MACHINE GUN MODS</td>
<td>1,488</td>
<td>1,488</td>
<td>1,488</td>
<td>1,488</td>
</tr>
<tr>
<td>M240 MEDIUM MACHINE GUN MODS</td>
<td>12,678</td>
<td>12,678</td>
<td>12,678</td>
<td>12,678</td>
</tr>
<tr>
<td>M192 tripods, 7.62mm, M205</td>
<td>3,998</td>
<td>3,998</td>
<td>3,998</td>
<td>3,998</td>
</tr>
<tr>
<td>M150 Rifle Combat Optic (RCO)</td>
<td>5,075</td>
<td>7,775</td>
<td>7,775</td>
<td>7,775</td>
</tr>
<tr>
<td>M68 Close Combat Optics (CCO)</td>
<td>992</td>
<td>992</td>
<td>992</td>
<td>992</td>
</tr>
<tr>
<td>SMALL ARMS EQUIPMENT (SOLDIER ENH PROG)</td>
<td>1,573</td>
<td>1,573</td>
<td>1,573</td>
<td>1,573</td>
</tr>
<tr>
<td>UNDISTRIBUTED</td>
<td>1,200</td>
<td>1,200</td>
<td>1,200</td>
<td>1,200</td>
</tr>
</tbody>
</table>

TOTAL PROCUREMENT OF W&TCV, ARMY

PROCUREMENT OF AMMUNITION, ARMY

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Quantity 1</th>
<th>Quantity 2</th>
<th>Quantity 3</th>
<th>Quantity 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.56MM, ALL TYPES</td>
<td>19,767</td>
<td>46,867</td>
<td>46,992</td>
<td>7,100</td>
</tr>
<tr>
<td>7.62MM, ALL TYPES</td>
<td>46,804</td>
<td>61,704</td>
<td>61,704</td>
<td>61,704</td>
</tr>
<tr>
<td>HANDGUN, ALL TYPES</td>
<td>10,413</td>
<td>10,503</td>
<td>10,503</td>
<td>10,503</td>
</tr>
<tr>
<td>5.56 CAL, ALL TYPES</td>
<td>62,837</td>
<td>71,727</td>
<td>71,727</td>
<td>71,727</td>
</tr>
<tr>
<td>20MM, ALL TYPES</td>
<td>8,208</td>
<td>8,208</td>
<td>8,208</td>
<td>8,208</td>
</tr>
<tr>
<td>25MM, ALL TYPES</td>
<td>8,640</td>
<td>40,502</td>
<td>40,502</td>
<td>40,502</td>
</tr>
<tr>
<td>30MM, ALL TYPES</td>
<td>76,850</td>
<td>79,000</td>
<td>79,000</td>
<td>79,000</td>
</tr>
<tr>
<td>60MM MORTAR, ALL TYPES</td>
<td>108,189</td>
<td>125,380</td>
<td>125,380</td>
<td>125,380</td>
</tr>
<tr>
<td>81MM MORTAR, ALL TYPES</td>
<td>57,359</td>
<td>59,859</td>
<td>59,859</td>
<td>59,859</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>010</td>
<td>UFR: Additional ammunition</td>
<td>49,471</td>
<td>52,580</td>
<td>109,720</td>
</tr>
<tr>
<td>011</td>
<td>120mm Mortar, All Types</td>
<td>52,580</td>
<td>52,580</td>
<td>91,528</td>
</tr>
<tr>
<td>012</td>
<td>Unfunded requirement</td>
<td>133,500</td>
<td>173,800</td>
<td>133,500</td>
</tr>
<tr>
<td>013</td>
<td>Artillery Cartridges, 75mm &amp; 105mm, All Types</td>
<td>187,149</td>
<td>346,330</td>
<td>187,149</td>
</tr>
<tr>
<td>014</td>
<td>Artillery Projectile, 155mm, All Types</td>
<td>40,300</td>
<td>40,300</td>
<td>40,300</td>
</tr>
<tr>
<td>015</td>
<td>Artillery ammunition</td>
<td>480</td>
<td>232,500</td>
<td>480</td>
</tr>
<tr>
<td>016</td>
<td>Artillery Propellants, Fuzes and Primers, All</td>
<td>80,046</td>
<td>163,768</td>
<td>80,046</td>
</tr>
<tr>
<td>017</td>
<td>Mines &amp; Clearing Charges, All Types</td>
<td>3,942</td>
<td>6,942</td>
<td>3,942</td>
</tr>
<tr>
<td>018</td>
<td>Shoulder Launched Munitions, All Types</td>
<td>5,000</td>
<td>66,881</td>
<td>66,881</td>
</tr>
<tr>
<td>019</td>
<td>Artillery rockets, grenades</td>
<td>161,155</td>
<td>229,155</td>
<td>161,155</td>
</tr>
<tr>
<td>020</td>
<td>Artillery additional APWS</td>
<td>78,087</td>
<td>78,087</td>
<td>78,087</td>
</tr>
<tr>
<td>021</td>
<td>Other Ammunition</td>
<td>7,441</td>
<td>7,441</td>
<td>7,441</td>
</tr>
<tr>
<td>022</td>
<td>Demolition Munitions, All Types</td>
<td>19,345</td>
<td>21,606</td>
<td>21,606</td>
</tr>
<tr>
<td>023</td>
<td>Grenades, All Types</td>
<td>48,120</td>
<td>48,120</td>
<td>48,120</td>
</tr>
<tr>
<td>024</td>
<td>Signals, All Types</td>
<td>3,412</td>
<td>3,412</td>
<td>3,412</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>FY2019</td>
<td>FY2020</td>
<td>FY2021</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
</tr>
<tr>
<td>025</td>
<td>SIMULATORS, ALL TYPES</td>
<td>13,084</td>
<td>13,534</td>
<td>13,534</td>
</tr>
<tr>
<td>026</td>
<td>AMMO COMPONENTS, ALL TYPES</td>
<td>12,237</td>
<td>12,237</td>
<td>12,237</td>
</tr>
<tr>
<td>027</td>
<td>NON-LETHAL AMMUNITION, ALL TYPES</td>
<td>1,500</td>
<td>1,650</td>
<td>1,650</td>
</tr>
<tr>
<td>028</td>
<td>ITEMS LESS THAN $5 MILLION (AMMO)</td>
<td>10,730</td>
<td>14,395</td>
<td>14,395</td>
</tr>
<tr>
<td>029</td>
<td>AMMUNITION PECULIAR EQUIPMENT</td>
<td>16,425</td>
<td>16,425</td>
<td>16,425</td>
</tr>
<tr>
<td>030</td>
<td>FIRST DESTINATION TRANSPORTATION (AMMO)</td>
<td>15,221</td>
<td>15,221</td>
<td>15,221</td>
</tr>
<tr>
<td>032</td>
<td>INDUSTRIAL FACILITIES</td>
<td>329,356</td>
<td>429,356</td>
<td>429,356</td>
</tr>
<tr>
<td>033</td>
<td>CONVENTIONAL MUNITIONS DEMILITARIZATION</td>
<td>197,825</td>
<td>250,825</td>
<td>250,825</td>
</tr>
<tr>
<td>034</td>
<td>ARMS INITIATIVE</td>
<td>3,719</td>
<td>3,719</td>
<td>3,719</td>
</tr>
<tr>
<td></td>
<td>TOTAL PROCUREMENT OF AMMUNITION, ARMY</td>
<td>480</td>
<td>1,879,283</td>
<td>4,953</td>
</tr>
</tbody>
</table>

**OTHER PROCUREMENT, ARMY**

**TACTICAL VEHICLES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>FY2019</th>
<th>FY2020</th>
<th>FY2021</th>
<th>FY2022</th>
<th>FY2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>TACTICAL TRAILERS/DOLLY SETS</td>
<td>9,716</td>
<td>9,716</td>
<td>25</td>
<td>10,871</td>
<td>9,716</td>
</tr>
<tr>
<td></td>
<td>UFR: Provides self-haul capability to Engineer Construction Units.</td>
<td></td>
<td></td>
<td>(25)</td>
<td>(1,155)</td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>SENTRY TRAILERS, FLATBED</td>
<td>14,151</td>
<td>263</td>
<td>36,151</td>
<td>41,151</td>
<td>263</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures 100% of equipment shortage in Europe for M872.</td>
<td>(263)</td>
<td>(22,000)</td>
<td>(27,000)</td>
<td>(263)</td>
<td>(22,000)</td>
</tr>
<tr>
<td>003</td>
<td>AMBULANCE, 4 LITTER, 5/4 TON, 4X4</td>
<td>53,000</td>
<td>121</td>
<td>87,792</td>
<td>68,593</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures HMMWV ambulances</td>
<td>(121)</td>
<td>(34,792)</td>
<td>(15,000)</td>
<td>(52)</td>
<td>(15,000)</td>
</tr>
<tr>
<td></td>
<td>UFR: Support increased end-strength</td>
<td></td>
<td></td>
<td>(593)</td>
<td></td>
<td>(593)</td>
</tr>
<tr>
<td>004</td>
<td>GROUND MOBILITY VEHICLES (GMV)</td>
<td>40,935</td>
<td>40,935</td>
<td>40,935</td>
<td>40,935</td>
<td>40,935</td>
</tr>
<tr>
<td>006</td>
<td>JOINT LIGHT TACTICAL VEHICLE</td>
<td>2,110</td>
<td>804,440</td>
<td>2,110</td>
<td>804,440</td>
<td>2,110</td>
</tr>
<tr>
<td>007</td>
<td>TRUCK, DUMP, 20 T (CCE)</td>
<td>967</td>
<td>967</td>
<td>967</td>
<td></td>
<td></td>
</tr>
<tr>
<td>008</td>
<td>FAMILY OF MEDIUM TACTICAL VEH (SMTV)</td>
<td>78,650</td>
<td>979</td>
<td>243,944</td>
<td>263,872</td>
<td>979</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures vehicles</td>
<td>(710)</td>
<td>(710)</td>
<td>(154,100)</td>
<td>(185,222)</td>
<td>(710)</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—trailer</td>
<td>(269)</td>
<td>(269)</td>
<td>(9,194)</td>
<td>(269)</td>
<td>(9,194)</td>
</tr>
<tr>
<td>009</td>
<td>FIRE TRUCKS &amp; ASSOCIATED FREIGHTING EQUIP</td>
<td>19,404</td>
<td>19,404</td>
<td>19,404</td>
<td>19,404</td>
<td>19,404</td>
</tr>
<tr>
<td>010</td>
<td>FAMILY OF HEAVY TACTICAL VEH (FHTV)</td>
<td>81,656</td>
<td>31</td>
<td>88,784</td>
<td>89,099</td>
<td>31</td>
</tr>
<tr>
<td>011</td>
<td>PLS ESP</td>
<td>7,129</td>
<td>90</td>
<td>59,729</td>
<td>59,804</td>
<td>90</td>
</tr>
</tbody>
</table>

**OTHER PROCUREMENT, ARMY**
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>011</td>
<td>UFR: Provides transportation of ammunition and break-bulk cargo.</td>
<td>[90]</td>
<td>[52,600]</td>
<td>[90]</td>
<td>[52,600]</td>
<td>200</td>
</tr>
<tr>
<td>012</td>
<td>HV EXPANDED MOBILE TACTICAL TRUCK EXT SERV</td>
<td>[200]</td>
<td>[112,250]</td>
<td>[200]</td>
<td>[112,250]</td>
<td>200</td>
</tr>
<tr>
<td>013</td>
<td>TACTICAL WHEELED VEHICLE PROTECTION KITS</td>
<td>[43,040]</td>
<td>[43,040]</td>
<td>[43,040]</td>
<td>[43,040]</td>
<td>100</td>
</tr>
<tr>
<td>014</td>
<td>MODIFICATION OF IN SVC EQUIP</td>
<td>[83,940]</td>
<td>[107,727]</td>
<td>[83,940]</td>
<td>[107,727]</td>
<td>89</td>
</tr>
<tr>
<td>015</td>
<td>UFR: Additional Buffalo and WMPY</td>
<td>[2,931]</td>
<td>[2,931]</td>
<td>[2,931]</td>
<td>[2,931]</td>
<td>269</td>
</tr>
<tr>
<td>016</td>
<td>HEAVY ARMORED SEDAN</td>
<td>[3,644]</td>
<td>[3,644]</td>
<td>[3,644]</td>
<td>[3,644]</td>
<td>1,320</td>
</tr>
<tr>
<td>017</td>
<td>PASSENGER CARRYING VEHICLES</td>
<td>[1,404]</td>
<td>[1,404]</td>
<td>[1,404]</td>
<td>[1,404]</td>
<td>6,964</td>
</tr>
<tr>
<td>018</td>
<td>TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS</td>
<td>[1,404]</td>
<td>[1,404]</td>
<td>[1,404]</td>
<td>[1,404]</td>
<td>150,497</td>
</tr>
<tr>
<td>019</td>
<td>TACTICAL NETWORK TECHNOLOGY MOD IN SVC</td>
<td>[150,497]</td>
<td>[227,997]</td>
<td>[150,497]</td>
<td>[227,997]</td>
<td>[-10,000]</td>
</tr>
<tr>
<td>020</td>
<td>JOINT INCIDENT SITE COMMUNICATIONS CAPABILITY</td>
<td>[6,799]</td>
<td>[6,799]</td>
<td>[6,799]</td>
<td>[6,799]</td>
<td>6,964</td>
</tr>
<tr>
<td>021</td>
<td>JCSE EQUIPMENT (USREDCOM)</td>
<td>[50,500]</td>
<td>[50,500]</td>
<td>[50,500]</td>
<td>[50,500]</td>
<td>5,051</td>
</tr>
<tr>
<td>022</td>
<td>DEFENSE ENTERPRISE WIDE BAND SATCOM SYSTEMS</td>
<td>[161,383]</td>
<td>[161,383]</td>
<td>[161,383]</td>
<td>[161,383]</td>
<td>62,600</td>
</tr>
<tr>
<td>023</td>
<td>TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS</td>
<td>[62,600]</td>
<td>[62,600]</td>
<td>[62,600]</td>
<td>[62,600]</td>
<td>11,622</td>
</tr>
<tr>
<td>024</td>
<td>SMART-T (SPACE)</td>
<td>[6,799]</td>
<td>[6,799]</td>
<td>[6,799]</td>
<td>[6,799]</td>
<td>6,799</td>
</tr>
<tr>
<td>025</td>
<td>GLOBAL BROADCAST SBC</td>
<td>[7,065]</td>
<td>[7,065]</td>
<td>[7,065]</td>
<td>[7,065]</td>
<td>30,000</td>
</tr>
<tr>
<td>026</td>
<td>UFR: Procures Global Broadcast Systems</td>
<td>[30,000]</td>
<td>[30,000]</td>
<td>[30,000]</td>
<td>[30,000]</td>
<td>21,667</td>
</tr>
<tr>
<td>027</td>
<td>MOD-IN-SERVICE PROFILER</td>
<td>[70]</td>
<td>[70]</td>
<td>[70]</td>
<td>[70]</td>
<td>70</td>
</tr>
<tr>
<td>028</td>
<td>MOD-IN-SERVICE PROFILER</td>
<td>[70]</td>
<td>[70]</td>
<td>[70]</td>
<td>[70]</td>
<td>70</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
<td>Costs</td>
<td>Changes</td>
<td>Unfunded Requirement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>-------</td>
<td>---------</td>
<td>----------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>036</td>
<td>Handheld MIMPack Small Form Fit (HMS)</td>
<td>355,351</td>
<td>2,565</td>
<td>363,760</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>037</td>
<td>Mid-Tier Networking Vehicular Radio (MNVR)</td>
<td>25,100</td>
<td>25,100</td>
<td>25,100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>038</td>
<td>Radio Terminal Set, MIDS LVT(2)</td>
<td>11,160</td>
<td>11,160</td>
<td>11,160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>Tractor Desk</td>
<td>2,041</td>
<td>2,041</td>
<td>2,041</td>
<td></td>
<td></td>
</tr>
<tr>
<td>041</td>
<td>Tractor Ride</td>
<td>5,534</td>
<td>13,734</td>
<td>8,200</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procurement of Offensive Cyber Operations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>042</td>
<td>Spider APA Remote Control Unit</td>
<td>996</td>
<td>996</td>
<td>996</td>
<td></td>
<td></td>
</tr>
<tr>
<td>043</td>
<td>Spider Family of Networked Munitions INCR</td>
<td>4,500</td>
<td>18</td>
<td>6,858</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures SPIDER INC 1A systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>045</td>
<td>Tactical Communications and Protective System</td>
<td>4,411</td>
<td>4,411</td>
<td>4,411</td>
<td></td>
<td></td>
</tr>
<tr>
<td>046</td>
<td>Unified Command Suite</td>
<td>15,275</td>
<td>15,275</td>
<td>15,275</td>
<td></td>
<td></td>
</tr>
<tr>
<td>047</td>
<td>Family of MED COMM for Combat Casualty Care</td>
<td>15,964</td>
<td>16,725</td>
<td>15,964</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>049</td>
<td>CI Automation Architecture</td>
<td>9,560</td>
<td>9,560</td>
<td>9,560</td>
<td></td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>Defense Military Deception Initiative</td>
<td>4,030</td>
<td>4,030</td>
<td>4,030</td>
<td></td>
<td></td>
</tr>
<tr>
<td>054</td>
<td>Communications Security (COMSEC)</td>
<td>107,804</td>
<td>130,667</td>
<td>131,082</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Security Data System and End Cryptographic Units</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>055</td>
<td>Defensive Cyber Operations</td>
<td>53,436</td>
<td>4</td>
<td>61,436</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Funds Deployable DCO Systems for COMPO 2&amp;3 Cyber Protection Teams</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>056</td>
<td>Insider Threat Program—Unit Activity MOE</td>
<td>690</td>
<td>690</td>
<td>690</td>
<td></td>
<td></td>
</tr>
<tr>
<td>057</td>
<td>Persistent Cyber Training Environment</td>
<td>4,000</td>
<td>4,000</td>
<td>4,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>058</td>
<td>Base Support Communications</td>
<td>43,751</td>
<td>51,290</td>
<td>43,751</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—First responder communication equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>059</td>
<td>Information Systems</td>
<td>118,101</td>
<td>118,101</td>
<td>118,101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>Emergency Management Modernization Program</td>
<td>4,490</td>
<td>4,490</td>
<td>4,490</td>
<td></td>
<td></td>
</tr>
<tr>
<td>061</td>
<td>Home Station Mission Command Centers (HSNCC)</td>
<td>20,050</td>
<td>20,050</td>
<td>20,050</td>
<td></td>
<td></td>
</tr>
<tr>
<td>062</td>
<td>Installation Info Infrastructure MOD Program</td>
<td>186,251</td>
<td>186,251</td>
<td>186,251</td>
<td></td>
<td></td>
</tr>
<tr>
<td>065</td>
<td>JTIDS-MIDS-M</td>
<td>12,154</td>
<td>19,754</td>
<td>7,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures critical spare parts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>068</td>
<td>DCGS-A (IMP)</td>
<td>274,782</td>
<td>211</td>
<td>308,494</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Changing tactical requirements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: All figures are in thousands of dollars.
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>070</td>
<td>TROJAN (MRP)</td>
<td>12</td>
<td>29,212</td>
<td>7</td>
<td>29,212</td>
<td>7</td>
</tr>
<tr>
<td>071</td>
<td>MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)</td>
<td>51,034</td>
<td>51,034</td>
<td>51,034</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>072</td>
<td>CI HUMINT AUTO REPRTNG AND COLLCHARMS</td>
<td>7,815</td>
<td>7,815</td>
<td>7,891</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>073</td>
<td>CLOSE ACCESS TARGET RECONNAISSANCE (CATRI)</td>
<td>8,050</td>
<td>8,050</td>
<td>8,050</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>074</td>
<td>MACHINE FOREIGN LANGUAGE TRANSLATION SYSTEM-M</td>
<td>567</td>
<td>567</td>
<td>567</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>076</td>
<td>LIGHTWEIGHT COUNTER MORTAR RADAR</td>
<td>20,459</td>
<td>20,459</td>
<td>20,459</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>077</td>
<td>EW PLANNING &amp; MANAGEMENT TOOLS (EWMPT)</td>
<td>5,805</td>
<td>5,805</td>
<td>5,805</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>078</td>
<td>AIR VIGILANCE (AV)</td>
<td>5,348</td>
<td>5,348</td>
<td>5,348</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>079</td>
<td>CREW</td>
<td>10</td>
<td>17,500</td>
<td>10</td>
<td>17,500</td>
<td>10</td>
</tr>
<tr>
<td>080</td>
<td>FAMILY OF PERSISTENT SURVEILLANCE CAPABILITE</td>
<td>3</td>
<td>5,000</td>
<td>3</td>
<td>5,000</td>
<td>3</td>
</tr>
<tr>
<td>082</td>
<td>CI MODERNIZATION</td>
<td>285</td>
<td>285</td>
<td>285</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>083</td>
<td>SENTINEL MODS</td>
<td>28,491</td>
<td>28,491</td>
<td>28,491</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>084</td>
<td>NIGHT VISION DEVICES</td>
<td>166,491</td>
<td>166,491</td>
<td>166,491</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>085</td>
<td>SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF</td>
<td>13,947</td>
<td>13,947</td>
<td>13,947</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>086</td>
<td>BASE EXPEDITARY TARGETING AND SIRY SYS</td>
<td>53</td>
<td>29,462</td>
<td>53</td>
<td>29,462</td>
<td>53</td>
</tr>
<tr>
<td>087</td>
<td>INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS</td>
<td>21,380</td>
<td>21,380</td>
<td>21,380</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>088</td>
<td>FAMILY OF WEAPON SIGHTS (FWS)</td>
<td>59,105</td>
<td>59,105</td>
<td>59,105</td>
<td>7</td>
<td>13,160</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
<td>Fiscal Year 2018</td>
<td>Fiscal Year 2019</td>
<td>Fiscal Year 2020</td>
<td>Fiscal Year 2021</td>
<td>Fiscal Year 2022</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>089</td>
<td>Artillery Accuracy Equipment</td>
<td>2,129</td>
<td>2,129</td>
<td>2,129</td>
<td>2,129</td>
<td>2,129</td>
</tr>
<tr>
<td>091</td>
<td>Joint Battle Command—Platform (JBC-P)</td>
<td>12,022</td>
<td>1,100</td>
<td>3,771</td>
<td>60,100</td>
<td>3,771</td>
</tr>
<tr>
<td>092</td>
<td>Joint Effects Targeting System (JETS)</td>
<td>60,100</td>
<td>60,100</td>
<td>60,100</td>
<td>60,100</td>
<td>60,100</td>
</tr>
<tr>
<td>093</td>
<td>MOD of In-Svc Equipment (LDR)</td>
<td>5,198</td>
<td>5,198</td>
<td>5,198</td>
<td>5,198</td>
<td>5,198</td>
</tr>
<tr>
<td>094</td>
<td>Computer Ballistics: LHNRC XM12</td>
<td>8,117</td>
<td>8,117</td>
<td>8,117</td>
<td>8,117</td>
<td>8,117</td>
</tr>
<tr>
<td>095</td>
<td>Mortar Fire Control System</td>
<td>52,513</td>
<td>52,513</td>
<td>15,700</td>
<td>47,513</td>
<td>47,513</td>
</tr>
<tr>
<td>096</td>
<td>Counterfire Radars</td>
<td>393,257</td>
<td>393,257</td>
<td>393,257</td>
<td>393,257</td>
<td>393,257</td>
</tr>
<tr>
<td>097</td>
<td>Fire Support C2 Family</td>
<td>47,513</td>
<td>47,513</td>
<td>47,513</td>
<td>47,513</td>
<td>47,513</td>
</tr>
<tr>
<td>098</td>
<td>Air &amp; MSL Defense Planning &amp; Control System</td>
<td>123,613</td>
<td>123,613</td>
<td>123,613</td>
<td>123,613</td>
<td>123,613</td>
</tr>
<tr>
<td>100</td>
<td>Life Cycle Software Support (LCSS)</td>
<td>1,992</td>
<td>1,992</td>
<td>1,992</td>
<td>1,992</td>
<td>1,992</td>
</tr>
<tr>
<td>101</td>
<td>Network Management Initialization and Service</td>
<td>15,179</td>
<td>15,179</td>
<td>15,179</td>
<td>15,179</td>
<td>15,179</td>
</tr>
<tr>
<td>102</td>
<td>Maneuver Control System (MCS)</td>
<td>137,174</td>
<td>137,174</td>
<td>137,174</td>
<td>137,174</td>
<td>137,174</td>
</tr>
<tr>
<td>103</td>
<td>Global Combat Support System—Army (GCSS-A)</td>
<td>37,201</td>
<td>37,201</td>
<td>37,201</td>
<td>37,201</td>
<td>37,201</td>
</tr>
<tr>
<td>104</td>
<td>Integrated Personnel and Pay System—Army (IPP)</td>
<td>37,201</td>
<td>37,201</td>
<td>37,201</td>
<td>37,201</td>
<td>37,201</td>
</tr>
<tr>
<td>105</td>
<td>Reconnaissance and Surveying Instrument Set</td>
<td>20,848</td>
<td>20,848</td>
<td>20,848</td>
<td>20,848</td>
<td>20,848</td>
</tr>
<tr>
<td>106</td>
<td>MOD of In-Svc Equipment (ENTIRE)</td>
<td>1,134</td>
<td>1,134</td>
<td>2,500</td>
<td>2,500</td>
<td>2,500</td>
</tr>
<tr>
<td>107</td>
<td>Army Training Modernization</td>
<td>11,575</td>
<td>11,575</td>
<td>11,575</td>
<td>11,575</td>
<td>11,575</td>
</tr>
<tr>
<td>108</td>
<td>Automated Data Processing Equipment</td>
<td>91,983</td>
<td>91,983</td>
<td>91,983</td>
<td>91,983</td>
<td>91,983</td>
</tr>
<tr>
<td>111</td>
<td>Contract Writing System</td>
<td>1,001</td>
<td>1,001</td>
<td>1,001</td>
<td>1,001</td>
<td>1,001</td>
</tr>
<tr>
<td>112</td>
<td>Reserve Component Automation Sys (RCAS)</td>
<td>26,183</td>
<td>26,183</td>
<td>26,183</td>
<td>26,183</td>
<td>26,183</td>
</tr>
<tr>
<td>113</td>
<td>ELECT EQUIP—AUTOMATION</td>
<td>4,441</td>
<td>4,441</td>
<td>4,441</td>
<td>4,441</td>
<td>4,441</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>114</td>
<td>ITEMS LESS THAN $5M (SURVEYING EQUIPMENT)</td>
<td>3,414</td>
<td>20</td>
<td>16,414</td>
<td>20</td>
<td>13,000</td>
</tr>
<tr>
<td></td>
<td>UFR: Accelerate procurement of Global Positioning System-Survey.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Automated Integrated Survey Instrument (AISI) systems.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>115</td>
<td>PRODUCTION BASE SUPPORT (C-E)</td>
<td>499</td>
<td>499</td>
<td>499</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Bridge Erection Boats</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>116</td>
<td>BCT ENERGY TECHNOLOGIES</td>
<td>25,050</td>
<td>25,050</td>
<td>25,050</td>
<td></td>
<td></td>
</tr>
<tr>
<td>116A</td>
<td>CLASSIFIED PROGRAMS</td>
<td>4,819</td>
<td>4,819</td>
<td>4,819</td>
<td>4,819</td>
<td>4,819</td>
</tr>
<tr>
<td>117</td>
<td>PROTECTIVE SYSTEMS</td>
<td>1,613</td>
<td>1,613</td>
<td>1,613</td>
<td>1,613</td>
<td>1,613</td>
</tr>
<tr>
<td>118</td>
<td>FAMILY OF NON-LETHAL EQUIPMENT (FNLE)</td>
<td>9,696</td>
<td>9,696</td>
<td>9,696</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded Requirement</td>
<td>(500)</td>
<td>(14,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>CBIN DEFENSE</td>
<td>11,110</td>
<td>11,110</td>
<td>11,110</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Handheld mine detectors</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>121</td>
<td>TACTICAL BRIDGING</td>
<td>16,610</td>
<td>16,610</td>
<td>16,610</td>
<td></td>
<td></td>
</tr>
<tr>
<td>122</td>
<td>TACTICAL BRIDGE, FLOAT-RIBBON</td>
<td>21,761</td>
<td>28</td>
<td>43,761</td>
<td>28</td>
<td>22,000</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Husky Mounted Detection System</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>124</td>
<td>COMMON BRIDGE TRANSPORTER (CBT) Recap</td>
<td>21,046</td>
<td>112</td>
<td>61,446</td>
<td>112</td>
<td>71,446</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Common Bridge Transporters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>125</td>
<td>HANDHELD STANDOFF MINENDETION SYS-MAT</td>
<td>5,000</td>
<td>455</td>
<td>17,800</td>
<td>227</td>
<td>5,600</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Hand held mine detectors</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—PSS–14Cs</td>
<td>(228)</td>
<td>(7,200)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>126</td>
<td>GRID STANDOFF MIN DETECTN SYS (GSMIDS)</td>
<td>32,442</td>
<td>43,242</td>
<td>43,262</td>
<td>10,800</td>
<td>10,820</td>
</tr>
<tr>
<td></td>
<td>UFR: Equipment for 15th and 16th ABCT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>127</td>
<td>AREA MINE DETECTION SYSTEM (AMIDS)</td>
<td>10,571</td>
<td>10,571</td>
<td>10,571</td>
<td></td>
<td></td>
</tr>
<tr>
<td>128</td>
<td>HUSKY MOUNTED DETECTION SYSTEM (HMDS)</td>
<td>21,905</td>
<td>4</td>
<td>24,095</td>
<td>4</td>
<td>2,400</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Husky Mounted Detection System</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>129</td>
<td>ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)</td>
<td>4,516</td>
<td>5</td>
<td>19,616</td>
<td>5</td>
<td>19,616</td>
</tr>
<tr>
<td></td>
<td>UFR: Procures M160s</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>EOD ROBOTICS SYSTEMS RECAPITALIZATION</td>
<td>10,073</td>
<td>15,073</td>
<td>211</td>
<td>21,073</td>
<td>5,000</td>
</tr>
<tr>
<td>Item</td>
<td>Cost</td>
<td>Cost</td>
<td>Cost</td>
<td>Cost</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: Procures the Talon 5A robot</td>
<td>[5,000]</td>
<td>[11,000]</td>
<td>[5,000]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROBOTICS AND APPLIQUE SYSTEMS</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REMOTE DEMOLITION SYSTEM</td>
<td>5,847</td>
<td>44</td>
<td>7,039</td>
<td>44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt; $5M COUNTERMINE EQUIPMENT</td>
<td>1,530</td>
<td>1,530</td>
<td>1,530</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAMILY OF BOATS AND MOTORS</td>
<td>4,102</td>
<td>12,302</td>
<td>4,102</td>
<td>12,302</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNFUNDED REQUIREMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMBAT SERVICE SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEATERS AND ECUs</td>
<td>7,405</td>
<td>16,461</td>
<td>9,056</td>
<td>16,461</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOLDIER ENHANCEMENT</td>
<td>1,055</td>
<td>1,095</td>
<td>1,095</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PERSONNEL RECOVERY SUPPORT SYSTEM (PRES)</td>
<td>5,300</td>
<td>5,300</td>
<td>5,300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GROUND SOLDIER SYSTEM</td>
<td>48,219</td>
<td>42,807</td>
<td>4,589</td>
<td>42,808</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MOBILE SOLDIER POWER</td>
<td>10,456</td>
<td>4,102</td>
<td>12,018</td>
<td>419</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FORCE PROVIDER</td>
<td>6</td>
<td>13,850</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIELD FEEDING EQUIPMENT</td>
<td>15,340</td>
<td>29,780</td>
<td>14,400</td>
<td>29,740</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: BCT support equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CARGO AERIAL DEL &amp; PERSONNEL PARACHUTE SYSTEM</td>
<td>30,607</td>
<td>30,607</td>
<td>30,607</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS</td>
<td>10,826</td>
<td>18,900</td>
<td>20,162</td>
<td>8,474</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: Engineering equipment</td>
<td>(8,474)</td>
<td>(9,796)</td>
<td>(8,474)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PETROLEUM EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QUALITY SURVEILLANCE EQUIPMENT</td>
<td>6,903</td>
<td>6,903</td>
<td>6,903</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DISTRIBUTION SYSTEMS, PETROLEUM &amp; WATER</td>
<td>47,597</td>
<td>47,597</td>
<td>47,597</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDICAL EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMBAT SUPPORT MEDICAL</td>
<td>43,343</td>
<td>45,140</td>
<td>43,343</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAINTENANCE EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MOBILE MAINTENANCE EQUIPMENT SYSTEMS</td>
<td>33,774</td>
<td>47,070</td>
<td>55,365</td>
<td>13,296</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: Shop equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONSTRUCTION EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRADER, ROAD MTZD, HWY, IKA (CCB)</td>
<td>989</td>
<td>48</td>
<td>15,719</td>
<td>48</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: Procures 48 Graders for the 16th ABCT</td>
<td></td>
<td>(48)</td>
<td>(48)</td>
<td>(48)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCRAPERS, EARTHMOVING</td>
<td>11,180</td>
<td>11,180</td>
<td>11,180</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TRACTOR, FULL TRACKED</td>
<td>44,679</td>
<td>48,679</td>
<td>48,679</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>155</td>
<td>ALL TERRAIN CRANES</td>
<td>8,935</td>
<td>2</td>
<td>11,935</td>
<td>2</td>
<td>11,935</td>
</tr>
<tr>
<td></td>
<td><strong>UFR:</strong> Procures cranes to support bridging assets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>157</td>
<td>HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)</td>
<td>64,339</td>
<td>40</td>
<td>84,899</td>
<td>40</td>
<td>84,899</td>
</tr>
<tr>
<td></td>
<td><strong>UFR:</strong> Procures HMEE for the 16th ABCT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>158</td>
<td>ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAB</td>
<td>2,563</td>
<td>65</td>
<td>2,563</td>
<td>65</td>
<td>2,563</td>
</tr>
<tr>
<td></td>
<td><strong>UFR:</strong> Procures Engineer Mission Module—Water Distributors and 31 Vibratory Rollers.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>CONST EQUIP ESP</td>
<td>19,032</td>
<td>65</td>
<td>26,032</td>
<td>65</td>
<td>26,032</td>
</tr>
<tr>
<td></td>
<td><strong>UFR:</strong> Procures T9 Dozers and Armor Kits</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>161</td>
<td>ITEMS LESS THAN $5.0M (CONST EQUIP)</td>
<td>6,899</td>
<td>11,911</td>
<td>16,911</td>
<td>5,012</td>
<td>11,911</td>
</tr>
<tr>
<td></td>
<td><strong>UFR:</strong> Procures 2 Vibratory Plate Compactors (VPC) for the 16th ABCT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>162</td>
<td>ARMY WATERCRAFT ESP</td>
<td>20,110</td>
<td>20,110</td>
<td>20,110</td>
<td>20,110</td>
<td>20,110</td>
</tr>
<tr>
<td></td>
<td>ITEMS LESS THAN $5.0M (FLOAT/RAIL)</td>
<td>2,877</td>
<td>2,877</td>
<td>2,877</td>
<td>2,877</td>
<td>2,877</td>
</tr>
<tr>
<td>164</td>
<td>GENERATORS AND ASSOCIATED EQUIP</td>
<td>115,635</td>
<td>380</td>
<td>142,845</td>
<td>380</td>
<td>142,845</td>
</tr>
<tr>
<td></td>
<td><strong>UFR:</strong> Additional equipment for growing Army</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>165</td>
<td>TACTICAL ELECTRIC POWER RECAPITALIZATION</td>
<td>7,436</td>
<td>7,436</td>
<td>7,436</td>
<td>7,436</td>
<td>7,436</td>
</tr>
<tr>
<td></td>
<td><strong>UFR:</strong> Procures additional 5K LCRTF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>166</td>
<td>FAMILY OF FORKLIFTS</td>
<td>9,000</td>
<td>15</td>
<td>10,635</td>
<td>15</td>
<td>10,635</td>
</tr>
<tr>
<td></td>
<td><strong>UFR:</strong> Procures additional 5K LCRTF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>167</td>
<td>COMBAT TRAINING CENTERS SUPPORT</td>
<td>88,888</td>
<td>126,638</td>
<td>126,638</td>
<td>37,750</td>
<td>126,638</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>169</td>
<td>CLOSE COMBAT TACTICAL TRAINER</td>
<td>45,718</td>
<td>45,718</td>
<td>45,718</td>
<td>45,718</td>
<td>45,718</td>
</tr>
<tr>
<td>170</td>
<td>AVIATION COMBINED ARMS TACTICAL TRAINER</td>
<td>30,568</td>
<td>30,568</td>
<td>30,568</td>
<td>30,568</td>
<td>30,568</td>
</tr>
<tr>
<td></td>
<td><strong>UFR:</strong> Procures T9 Dozers and Armor Kits</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>172</td>
<td>CALIBRATION SETS EQUIPMENT</td>
<td>5,564</td>
<td>5,564</td>
<td>5,564</td>
<td>5,564</td>
<td>5,564</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
<td>FY26</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td>173</td>
<td>INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)</td>
<td>30,144</td>
<td>30,144</td>
<td>30,144</td>
<td>30,144</td>
<td></td>
</tr>
<tr>
<td>174</td>
<td>TEST EQUIPMENT MODERNIZATION (TEMOD)</td>
<td>7,771</td>
<td>7,771</td>
<td>8,296</td>
<td>7,771</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Test Equipment Modernization systems (TEMOD)</td>
<td>(525)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>175</td>
<td>M25 STABILIZED BINOCULAR</td>
<td>3,956</td>
<td>3,956</td>
<td>3,956</td>
<td>3,956</td>
<td></td>
</tr>
<tr>
<td>176</td>
<td>RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT</td>
<td>5,000</td>
<td>10,000</td>
<td>10,000</td>
<td>5,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Support 10 initiatives per year</td>
<td>(5,000)</td>
<td>(5,000)</td>
<td>(5,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>177</td>
<td>PHYSICAL SECURITY SYSTEMS (OPA)</td>
<td>60,047</td>
<td>60,047</td>
<td>60,047</td>
<td>60,047</td>
<td></td>
</tr>
<tr>
<td>178</td>
<td>BASE LEVEL COMMON EQUIPMENT</td>
<td>13,239</td>
<td>13,239</td>
<td>13,239</td>
<td>13,239</td>
<td></td>
</tr>
<tr>
<td>179</td>
<td>MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)</td>
<td>60,192</td>
<td>99,432</td>
<td>120,326</td>
<td>39,240</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Additional support equipment</td>
<td>39,240</td>
<td>(60,134)</td>
<td>(39,240)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>PRODUCTION BASE SUPPORT (UTM)</td>
<td>2,271</td>
<td>2,271</td>
<td>2,271</td>
<td>2,271</td>
<td></td>
</tr>
<tr>
<td>181</td>
<td>SPECIAL EQUIPMENT FOR USER TESTING</td>
<td>5,319</td>
<td>5,319</td>
<td>5,319</td>
<td>5,319</td>
<td></td>
</tr>
<tr>
<td>182</td>
<td>TRACTOR YARD</td>
<td>5,935</td>
<td>5,935</td>
<td>5,935</td>
<td>5,935</td>
<td></td>
</tr>
<tr>
<td>183</td>
<td>INTELLIGENT REMOTE IMAGING SPECTROMETER—GROUND SYSTEM</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Development of six focal plan arrays</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>187</td>
<td>FORCE PROVIDER EXPEDITIONARY</td>
<td>12</td>
<td>27,700</td>
<td>(27,700)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Force Providers Battle-loss and components for RESET.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>188</td>
<td>HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV</td>
<td>230</td>
<td>132,250</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures HEMTTS</td>
<td>(230)</td>
<td>(132,250)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>189</td>
<td>FIRE PROTECTION TYPE I</td>
<td>9</td>
<td>54</td>
<td>54</td>
<td>54</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Procures Fire Protection Type 1 sets</td>
<td>(9)</td>
<td>(54)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>184</td>
<td>INITIAL SPARES—CAE</td>
<td>38,269</td>
<td>38,269</td>
<td>38,269</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Early to need</td>
<td>(12)</td>
<td>(23,940)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>185</td>
<td>UNDISTRIBUTED</td>
<td>56,000</td>
<td>56,000</td>
<td>56,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Security Force Assistance Brigade</td>
<td>56,000</td>
<td>(56,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>186</td>
<td>TOTAL OTHER PROCUREMENT, ARMY</td>
<td>2,110</td>
<td>6,469,331</td>
<td>13,912</td>
<td>8,635,600</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3,278</td>
<td>3,278</td>
<td>7,948,663</td>
<td>10,541</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12,651</td>
<td>12,651</td>
<td>8,485,056</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL JOINT IMPROVED-THREAT DEFEAT FUND**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>RAPID ACQUISITION AND THREAT RESPONSE</td>
<td>14,442</td>
<td>14,442</td>
<td>14,442</td>
<td>14,442</td>
</tr>
<tr>
<td>002</td>
<td>AIRCRAFT PROCUREMENT, NAVY</td>
<td>14,442</td>
<td>14,442</td>
<td>14,442</td>
<td>14,442</td>
</tr>
<tr>
<td></td>
<td>COMBAT AIRCRAFT</td>
<td>14,442</td>
<td>14,442</td>
<td>14,442</td>
<td>14,442</td>
</tr>
</tbody>
</table>

**F/A-18E/F (FIGHTER) HORNET**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UFR: Additional F/A-18 E/F Super Hornets</td>
<td>(591,200)</td>
<td>(739,000)</td>
<td>(739,000)</td>
<td>(739,000)</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request Qty</td>
<td>FY 2018 Request Cost</td>
<td>House Authorized Qty</td>
<td>House Authorized Cost</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>---------------------</td>
<td>----------------------</td>
<td>---------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>003</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>4</td>
<td>52,971</td>
<td>8</td>
<td>1,022,324</td>
</tr>
<tr>
<td>005</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>4</td>
<td>567,605</td>
<td>4</td>
<td>567,605</td>
</tr>
<tr>
<td>006</td>
<td>BF STOV</td>
<td>10</td>
<td>1,239,868</td>
<td>6</td>
<td>525,800</td>
</tr>
<tr>
<td>007</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>4</td>
<td>567,605</td>
<td>4</td>
<td>567,605</td>
</tr>
<tr>
<td>008</td>
<td>CH–53K (HEAVY LIFT)</td>
<td>4</td>
<td>567,605</td>
<td>4</td>
<td>567,605</td>
</tr>
<tr>
<td>009</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>6</td>
<td>677,404</td>
<td>10</td>
<td>1,022,324</td>
</tr>
<tr>
<td>010</td>
<td>V–22 (MEDIUM LIFT)</td>
<td>6</td>
<td>677,404</td>
<td>10</td>
<td>1,022,324</td>
</tr>
<tr>
<td>011</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>27</td>
<td>24,422</td>
<td>27</td>
<td>24,422</td>
</tr>
<tr>
<td>012</td>
<td>H–1 UPGRADES (OH–1Y/WH–12)</td>
<td>22</td>
<td>678,404</td>
<td>22</td>
<td>678,429</td>
</tr>
<tr>
<td>014</td>
<td>P–8A POSEIDON</td>
<td>7</td>
<td>1,254,251</td>
<td>10</td>
<td>1,751,751</td>
</tr>
<tr>
<td>015</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>7</td>
<td>1,254,251</td>
<td>10</td>
<td>1,751,751</td>
</tr>
<tr>
<td>016</td>
<td>E–2D ADV HAWKEYE</td>
<td>5</td>
<td>733,910</td>
<td>7</td>
<td>925,710</td>
</tr>
<tr>
<td>017</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>102,026</td>
<td>102,026</td>
<td>102,026</td>
<td>102,026</td>
</tr>
</tbody>
</table>

**Airlift Aircraft**

- C–406
- UFR: Procure additional aircraft

**Other Aircraft**
<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Quantity</th>
<th>Acquisition Cost</th>
<th>Total Cost</th>
<th>Acquisition Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>KC-130J</td>
<td>2</td>
<td>648,877</td>
<td>129,577</td>
<td>4</td>
<td>848,877</td>
</tr>
<tr>
<td>24</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>3</td>
<td>517,126</td>
<td>522,126</td>
<td>517,126</td>
<td>517,126</td>
</tr>
<tr>
<td>25</td>
<td>Excess cost growth</td>
<td>[-5,000]</td>
<td></td>
<td></td>
<td>[-5,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MODIFICATION OF AIRCRAFT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>AEA SYSTEMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>ADVERSARY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>F-18 SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Infrared Search and Track (IRST) Block 1 system</td>
<td>[100,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>UFR: ALQ-214 USMC Retrofit</td>
<td>[16,000]</td>
<td></td>
<td></td>
<td>[16,000]</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>H-53 SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>H-1 SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>EP-3 SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>P-3 SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>E-2 SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>TRAINER A/C SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>C-130 SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>C-3A SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>CARGO/TRANSPORT A/C SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>E-6 SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>EXECUTIVE HELICOPTERS SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>SPECIAL PROJECT AIRCRAFT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>T-45 SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>POWER PLANT CHANGES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>IAPTS SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>COMMON ECM EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>P-8 SERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>MARK EW FOR AVIATION</td>
<td>[10,111]</td>
<td></td>
<td>[10,111]</td>
<td></td>
<td>[10,111]</td>
</tr>
</tbody>
</table>
## SEC. 4101. PROCUREMENT

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
</tr>
<tr>
<td>057</td>
<td>MQ-8 SERIES</td>
<td>32,361</td>
<td>32,361</td>
<td>32,361</td>
<td>32,361</td>
<td>32,361</td>
</tr>
<tr>
<td>059</td>
<td>V-22 (Tilt/rotor AFT) OSPREY</td>
<td>228,321</td>
<td>228,321</td>
<td>228,321</td>
<td>228,321</td>
<td>228,321</td>
</tr>
<tr>
<td>060</td>
<td>F-35 STOVL SERIES</td>
<td>34,963</td>
<td>34,963</td>
<td>34,963</td>
<td>34,963</td>
<td>34,963</td>
</tr>
<tr>
<td>061</td>
<td>F-35 CV SERIES</td>
<td>31,689</td>
<td>31,689</td>
<td>31,689</td>
<td>31,689</td>
<td>31,689</td>
</tr>
<tr>
<td>062</td>
<td>MQ-4 SERIES</td>
<td>24,766</td>
<td>24,766</td>
<td>24,766</td>
<td>24,766</td>
<td>24,766</td>
</tr>
<tr>
<td>063</td>
<td>MQ-4 SERIES</td>
<td>39,996</td>
<td>39,996</td>
<td>39,996</td>
<td>39,996</td>
<td>39,996</td>
</tr>
</tbody>
</table>

**AIRCRAFT SPARES AND REPAIR PARTS**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
</tr>
<tr>
<td>064</td>
<td>SPARES AND REPAIR PARTS</td>
<td>1,681,914</td>
<td>1,882,514</td>
<td>1,981,658</td>
<td>(200,600)</td>
<td>1,882,514</td>
</tr>
<tr>
<td></td>
<td>UFR: C-40A Spares</td>
<td>(32,600)</td>
<td>(32,600)</td>
<td>(32,600)</td>
<td>(32,600)</td>
<td>(32,600)</td>
</tr>
<tr>
<td></td>
<td>UFR: CH-53K Spares</td>
<td>(7,500)</td>
<td>(7,500)</td>
<td>(7,500)</td>
<td>(7,500)</td>
<td>(7,500)</td>
</tr>
<tr>
<td></td>
<td>UFR: F-35B Spares</td>
<td>(168,000)</td>
<td>(168,000)</td>
<td>(168,000)</td>
<td>(168,000)</td>
<td>(168,000)</td>
</tr>
</tbody>
</table>
|      | UFR: F/A-18C/D Training Systems | (10 
|      | UFR: KC-130J Spares | (7,800) | (7,800) | (7,800) | (7,800) | (7,800) | (7,800) |

**AIRCRAFT SUPPORT EQUIP & FACILITIES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
</tr>
<tr>
<td>065</td>
<td>COMMON GROUND EQUIPMENT</td>
<td>388,052</td>
<td>405,552</td>
<td>405,552</td>
<td>(10)</td>
<td>405,552</td>
</tr>
<tr>
<td></td>
<td>UFR: F/A-18G/D Training Systems</td>
<td>(10)</td>
<td>(17,500)</td>
<td>(17,500)</td>
<td>(10)</td>
<td>(17,500)</td>
</tr>
<tr>
<td>066</td>
<td>AIRCRAFT INDUSTRIAL FACILITIES</td>
<td>24,613</td>
<td>24,613</td>
<td>24,613</td>
<td>24,613</td>
<td>24,613</td>
</tr>
<tr>
<td>068</td>
<td>OTHER PRODUCTION CHARGES</td>
<td>1,463</td>
<td>1,463</td>
<td>1,463</td>
<td>1,463</td>
<td>1,463</td>
</tr>
<tr>
<td>069</td>
<td>SPECIAL SUPPORT EQUIPMENT</td>
<td>48,500</td>
<td>48,500</td>
<td>48,500</td>
<td>48,500</td>
<td>48,500</td>
</tr>
<tr>
<td>070</td>
<td>FIRST DESTINATION TRANSPORTATION</td>
<td>1,976</td>
<td>1,976</td>
<td>1,976</td>
<td>1,976</td>
<td>1,976</td>
</tr>
</tbody>
</table>

**TOTAL AIRCRAFT PROCUREMENT, NAVY**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
</tr>
<tr>
<td>001</td>
<td>Trident X MODS</td>
<td>1,143,595</td>
<td>1,143,595</td>
<td>1,143,595</td>
<td>1,143,595</td>
<td>1,143,595</td>
</tr>
<tr>
<td>002</td>
<td>Missile Industrial Facilities</td>
<td>7,086</td>
<td>7,086</td>
<td>7,086</td>
<td>7,086</td>
<td>7,086</td>
</tr>
<tr>
<td>003</td>
<td>Tomahawk</td>
<td>34</td>
<td>134,375</td>
<td>34</td>
<td>134,375</td>
<td>34</td>
</tr>
<tr>
<td>004</td>
<td>AMRAAM</td>
<td>120</td>
<td>197,109</td>
<td>120</td>
<td>209,109</td>
<td>120</td>
</tr>
<tr>
<td>UFR: Munitions Wholeness</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>005 SIDEWINDER</td>
<td>185</td>
<td>79,692</td>
<td>185</td>
<td>79,692</td>
<td>185</td>
<td>79,692</td>
</tr>
<tr>
<td>006 JSOW</td>
<td>5,487</td>
<td>5,487</td>
<td>5,487</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>007 STANDARD MISSILE</td>
<td>117</td>
<td>510,875</td>
<td>117</td>
<td>510,875</td>
<td>117</td>
<td>510,875</td>
</tr>
<tr>
<td>008 SMALL DIAMETER BOMB II</td>
<td>90</td>
<td>20,968</td>
<td>90</td>
<td>20,968</td>
<td>90</td>
<td>20,968</td>
</tr>
<tr>
<td>009 RAM</td>
<td>60</td>
<td>58,587</td>
<td>120</td>
<td>106,587</td>
<td>120</td>
<td>106,587</td>
</tr>
<tr>
<td></td>
<td>(60)</td>
<td>(48,000)</td>
<td>(60)</td>
<td>(48,000)</td>
<td>(60)</td>
<td>(48,000)</td>
</tr>
<tr>
<td>010 JOINT AIR GROUND MISSILE (JAGM)</td>
<td>3,789</td>
<td>3,789</td>
<td>3,789</td>
<td>3,789</td>
<td></td>
<td></td>
</tr>
<tr>
<td>011 STAND OFF PRECISION GUIDED MUNITIONS (SOPGM)</td>
<td>19</td>
<td>1,122</td>
<td>19</td>
<td>1,122</td>
<td>19</td>
<td>12,522</td>
</tr>
<tr>
<td>012 RAM: Additional RAM BUK II</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>013 Joint Air Ground Missile (JAGM)</td>
<td>3,789</td>
<td>3,789</td>
<td>3,789</td>
<td>3,789</td>
<td></td>
<td></td>
</tr>
<tr>
<td>014 AERIAL TARGETS</td>
<td>124,757</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>015 OTHER MISSILE SUPPORT</td>
<td>3,420</td>
<td>3,420</td>
<td>3,420</td>
<td>3,420</td>
<td></td>
<td></td>
</tr>
<tr>
<td>016 LRASM</td>
<td>25</td>
<td>74,733</td>
<td>25</td>
<td>74,733</td>
<td>25</td>
<td>74,733</td>
</tr>
</tbody>
</table>

**Modification of Missiles**

| 017 ESSM                | 30     | 74,524 | 30     | 74,524 | 30     | 74,524 |
| 019 HARPOON MODS        | 17,300 | 17,300 | 17,300 |
| 020 HARM MODS           | 183,368| 183,368| 183,368|
| 021 STANDARD MISSILES MODS | 11,729 | 11,729 | 11,729 |

**Support Equipment & Facilities**

| 022 WEAPONS INDUSTRIAL FACILITIES | 4,021 | 4,021 | 4,021 |
| 023 FLEET SATELLITE COMM FOLLOW-ON | 46,357 | 46,357 | 46,357 |

**Ordinance Support Equipment**

| 025 ORDANCE SUPPORT EQUIPMENT | 47,159 | 47,159 | 47,159 |

**Torpedoes and Related Equip**

| 026 SSTO                | 5,240  | 5,240  | 5,240  | 5,240  |
| 027 MK-48 TORPEDO       | 17     | 44,771 | 27     | 70,971 | 17     | 44,771 | 10     | 26,100 | 27     | 70,871 |

**Mod of Torpedoes and Related Equip**

| 029 MK-54 TORPEDO MODS  | 104,044| 104,044| 104,044|
| 030 MK-48 TORPEDO ADCAP MODS | 38,954 | 38,954 | 38,954 |
| 031 QUICKSTRIKE MINE     | 10,337 | 10,337 | 10,337 |

**Support Equipment**

| 032 TORPEDO SUPPORT EQUIPMENT | 70,383 | 70,383 | 70,383 |
| 033 ASW RANGE SUPPORT      | 3,846  | 3,846  | 3,846  |

**Destination Transportation**

| 034 FIRST DESTINATION TRANSPORTATION | 3,961 | 3,961 | 3,961 |

**Guns and Gun Moutnts**

| 035 SMALL ARMS AND WEAPONS | 11,332 | 11,332 | 11,332 |

**Modification of Guns and Gun Moutnts**
<table>
<thead>
<tr>
<th>Line</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>036</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>72,698</td>
</tr>
<tr>
<td>037</td>
<td></td>
<td></td>
<td>38,931</td>
<td>38,931</td>
<td>38,931</td>
</tr>
<tr>
<td>038</td>
<td></td>
<td>76,025</td>
<td>76,025</td>
<td>76,025</td>
<td>76,025</td>
</tr>
<tr>
<td>039</td>
<td>110</td>
<td>13,110</td>
<td>13,110</td>
<td>13,110</td>
<td>13,110</td>
</tr>
<tr>
<td>040</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>34,825</td>
</tr>
<tr>
<td>041</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>16,925</td>
</tr>
<tr>
<td>042</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>043</td>
<td></td>
<td></td>
<td>110,255</td>
<td>110,255</td>
<td>110,255</td>
</tr>
</tbody>
</table>

**TOTAL WEAPONS PROCUREMENT, NAVY**

**PROCUREMENT OF AMMO, NAVY & MC**

**NAVY AMMUNITION**

<table>
<thead>
<tr>
<th>Line</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>001</td>
<td></td>
<td>34,882</td>
<td>34,882</td>
<td>34,882</td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>57,343</td>
<td>2,492</td>
<td>57,343</td>
<td>2,492</td>
<td>57,343</td>
</tr>
<tr>
<td>003</td>
<td>79,318</td>
<td>79,318</td>
<td>79,318</td>
<td>79,318</td>
<td></td>
</tr>
<tr>
<td>004</td>
<td></td>
<td></td>
<td>14,112</td>
<td>14,112</td>
<td></td>
</tr>
<tr>
<td>005</td>
<td></td>
<td>47,027</td>
<td>47,027</td>
<td>47,027</td>
<td>47,027</td>
</tr>
<tr>
<td>006</td>
<td>57,718</td>
<td>57,718</td>
<td>57,718</td>
<td>57,718</td>
<td></td>
</tr>
<tr>
<td>007</td>
<td>65,908</td>
<td></td>
<td>65,908</td>
<td></td>
<td></td>
</tr>
<tr>
<td>008</td>
<td></td>
<td>2,895</td>
<td>2,895</td>
<td>2,895</td>
<td>2,895</td>
</tr>
<tr>
<td>009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>22,112</td>
</tr>
<tr>
<td>011</td>
<td>12,804</td>
<td>12,804</td>
<td>12,804</td>
<td>12,804</td>
<td></td>
</tr>
<tr>
<td>012</td>
<td>41,594</td>
<td></td>
<td>41,594</td>
<td></td>
<td></td>
</tr>
<tr>
<td>013</td>
<td>49,401</td>
<td>49,401</td>
<td>49,401</td>
<td>49,401</td>
<td></td>
</tr>
<tr>
<td>014</td>
<td>9,495</td>
<td>9,495</td>
<td>9,495</td>
<td>9,495</td>
<td></td>
</tr>
<tr>
<td>016</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MARINE CORPS AMMUNITION**

<table>
<thead>
<tr>
<th>Line</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>019</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>020</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>021</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>022</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>023</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>FY2021</td>
<td>FY2022</td>
<td>FY2023</td>
<td>FY2024</td>
</tr>
<tr>
<td>------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>024</td>
<td>INFANTRY WEAPONS AMMUNITION</td>
<td>91,456</td>
<td>91,456</td>
<td>91,456</td>
<td>91,456</td>
</tr>
<tr>
<td>027</td>
<td>ARTILLERY, ALL TYPES</td>
<td>17,000</td>
<td>17,000</td>
<td>17,000</td>
<td>17,000</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—HE Training Rounds</td>
<td>[17,000]</td>
<td>[17,000]</td>
<td>[17,000]</td>
<td>[17,000]</td>
</tr>
<tr>
<td>029</td>
<td>COMBAT SUPPORT MUNITIONS</td>
<td>11,788</td>
<td>11,788</td>
<td>11,788</td>
<td>11,788</td>
</tr>
<tr>
<td>032</td>
<td>ARTILLERY MUNITIONS</td>
<td>79,427</td>
<td>79,427</td>
<td>96,427</td>
<td>79,427</td>
</tr>
<tr>
<td></td>
<td>UFR: Additional training rounds</td>
<td>[17,000]</td>
<td>[17,000]</td>
<td>[17,000]</td>
<td>[17,000]</td>
</tr>
<tr>
<td>034</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>5,960</td>
<td>5,960</td>
<td>5,960</td>
<td>5,960</td>
</tr>
<tr>
<td></td>
<td>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC</td>
<td>2,492</td>
<td>792,345</td>
<td>2,492</td>
<td>834,845</td>
</tr>
</tbody>
</table>

**SHIPBUILDING AND CONVERSION, NAVY**

**FLEET BALLISTIC MISSILE SHIPS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>FY2021</th>
<th>FY2022</th>
<th>FY2023</th>
<th>FY2024</th>
<th>FY2025</th>
<th>FY2026</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>842,853</td>
<td>842,853</td>
<td>842,853</td>
<td>842,853</td>
<td>842,853</td>
<td>842,853</td>
</tr>
<tr>
<td>002</td>
<td>CARRIER REPLACEMENT PROGRAM</td>
<td>1,441,772</td>
<td>1,441,772</td>
<td>4,441,772</td>
<td>4,441,772</td>
<td>4,441,772</td>
<td>4,441,772</td>
</tr>
<tr>
<td>003</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>300,000</td>
<td>300,000</td>
<td>300,000</td>
<td>300,000</td>
<td>300,000</td>
<td>300,000</td>
</tr>
<tr>
<td>004</td>
<td>VIRGINIA CLASS SUBMARINE</td>
<td>2,305,315</td>
<td>2,305,315</td>
<td>2,305,315</td>
<td>2,305,315</td>
<td>2,305,315</td>
<td>2,305,315</td>
</tr>
<tr>
<td>005</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>1,920,596</td>
<td>2,863,596</td>
<td>3,093,596</td>
<td>698,000</td>
<td>2,618,596</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3rd FY20 SSN, EOQ or SB expansion</td>
<td>[693,000]</td>
<td>[450,000]</td>
<td>[698,000]</td>
<td>[698,000]</td>
<td>[698,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Additional EOQ funding 8k V MYP</td>
<td>[750,000]</td>
<td>[750,000]</td>
<td>[750,000]</td>
<td>[750,000]</td>
<td>[750,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NROF/EOQ Savings</td>
<td>[–7,000]</td>
<td>[–7,000]</td>
<td>[–7,000]</td>
<td>[–7,000]</td>
<td>[–7,000]</td>
<td></td>
</tr>
<tr>
<td>006</td>
<td>CVN REFUELING OVERHAULS</td>
<td>1,604,890</td>
<td>1,181,590</td>
<td>1,604,890</td>
<td>35,221</td>
<td>1,569,669</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CVN 73 NO-25 integration</td>
<td>[26,700]</td>
<td>[26,700]</td>
<td>[26,700]</td>
<td>[26,700]</td>
<td>[26,700]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Early to need</td>
<td>[–450,000]</td>
<td>[–450,000]</td>
<td>[–450,000]</td>
<td>[–450,000]</td>
<td>[–450,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IFF interrogator set unjustified request</td>
<td>[–2,094]</td>
<td>[–2,094]</td>
<td>[–2,094]</td>
<td>[–2,094]</td>
<td>[–2,094]</td>
<td></td>
</tr>
<tr>
<td>007</td>
<td>UCLASS early to need</td>
<td>75,897</td>
<td>75,897</td>
<td>75,897</td>
<td>75,897</td>
<td>75,897</td>
<td>75,897</td>
</tr>
<tr>
<td>008</td>
<td>DDG 1000</td>
<td>223,968</td>
<td>223,968</td>
<td>173,968</td>
<td>50,000</td>
<td>173,968</td>
<td>173,968</td>
</tr>
<tr>
<td></td>
<td>Unjustified cost growth</td>
<td>[–50,000]</td>
<td>[–50,000]</td>
<td>[–50,000]</td>
<td>[–50,000]</td>
<td>[–50,000]</td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>DDG-51</td>
<td>2,499,079</td>
<td>3,595,079</td>
<td>5,058,079</td>
<td>1,784,000</td>
<td>5,283,079</td>
<td>5,283,079</td>
</tr>
<tr>
<td></td>
<td>1 additional DDG for FY18–22 MYP contract</td>
<td>[1,862,000]</td>
<td>[1,750,000]</td>
<td>[1,750,000]</td>
<td>[1,750,000]</td>
<td>[1,750,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Available prior year funds</td>
<td>[–250,000]</td>
<td>[–250,000]</td>
<td>[–250,000]</td>
<td>[–250,000]</td>
<td>[–250,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ship Signal Exploitation Equipment</td>
<td>[34,000]</td>
<td>[34,000]</td>
<td>[34,000]</td>
<td>[34,000]</td>
<td>[34,000]</td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>90,336</td>
<td>135,336</td>
<td>390,336</td>
<td>250,000</td>
<td>340,336</td>
<td>340,336</td>
</tr>
</tbody>
</table>
## SEC. 4101. PROCUREMENT

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>01</td>
<td>EOQ for FY18-22 NYP contract</td>
<td>1</td>
<td>636,146</td>
<td>3</td>
<td>1,669,146</td>
<td>2</td>
</tr>
<tr>
<td>017</td>
<td>LITORTAL COMBAT SHIP</td>
<td>LCS</td>
<td>1</td>
<td>1,035,000</td>
<td>1</td>
<td>600,000</td>
</tr>
<tr>
<td>018</td>
<td>AMPHIBIOUS SHIPS</td>
<td>012A AMPHIBIOUS SHIP REPLACEMENT LX(R) ADVANCE PROCUREMENT (CY)</td>
<td>100,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>013</td>
<td>LPD-37</td>
<td>1</td>
<td>1,786,000</td>
<td>1</td>
<td>1,500,000</td>
<td>1</td>
</tr>
<tr>
<td>014</td>
<td>EXPEDITIONARY SEA BASE (ESB)</td>
<td>1</td>
<td>635,000</td>
<td>1</td>
<td>635,000</td>
<td></td>
</tr>
<tr>
<td>015</td>
<td>UH-60 REPLACEMENT</td>
<td>1,710,927</td>
<td>1,210,927</td>
<td>1,710,927</td>
<td>1,710,927</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Early to need</td>
<td>018 TAO FLEET OILER</td>
<td>1</td>
<td>465,988</td>
<td>1</td>
<td>465,988</td>
</tr>
<tr>
<td>019</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>020</td>
<td>75,068</td>
<td>75,068</td>
<td>75,068</td>
<td>75,068</td>
</tr>
<tr>
<td>021</td>
<td>TOWING, SALVAGE, AND RESCUE SHIP (ATS)</td>
<td>1</td>
<td>76,204</td>
<td>1</td>
<td>76,204</td>
<td>1</td>
</tr>
<tr>
<td>022</td>
<td>LCU 1700</td>
<td>1</td>
<td>31,850</td>
<td>1</td>
<td>31,850</td>
<td>1</td>
</tr>
<tr>
<td>023</td>
<td>OUTFITTING</td>
<td>548,703</td>
<td>548,703</td>
<td>510,503</td>
<td>–6,077</td>
<td>542,626</td>
</tr>
<tr>
<td>024</td>
<td>Early to need</td>
<td>Virginia class outfitting cost growth</td>
<td>025</td>
<td>212,554</td>
<td>8</td>
<td>559,554</td>
</tr>
<tr>
<td>029</td>
<td>COMPLETION OF FY SHIPBUILDING PROGRAMS</td>
<td>117,542</td>
<td>117,542</td>
<td>117,542</td>
<td>117,542</td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>Cable Ship</td>
<td>1</td>
<td>250,000</td>
<td>1</td>
<td>250,000</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>TOTAL SHIPBUILDING AND CONVERSION, NAVY</td>
<td>12</td>
<td>19,903,682</td>
<td>22</td>
<td>25,270,182</td>
<td>22</td>
</tr>
<tr>
<td>Category</td>
<td>Item Description</td>
<td>FY 2018</td>
<td>FY 2019</td>
<td>FY 2020</td>
<td>FY 2021</td>
<td>FY 2022</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>----------------------------------------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>OTHER PROCUREMENT, NAVY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SHIP PROPULSION EQUIPMENT</td>
<td>Surface Power Equipment</td>
<td>41,910</td>
<td>41,910</td>
<td>41,910</td>
<td>41,910</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hybrid Electric Drive (HED)</td>
<td>6,331</td>
<td>6,331</td>
<td>6,331</td>
<td>-6,331</td>
<td></td>
</tr>
<tr>
<td>GENERATORS</td>
<td>Surface Combatant HM&amp;E</td>
<td>27,392</td>
<td>27,392</td>
<td>27,392</td>
<td>27,392</td>
<td></td>
</tr>
<tr>
<td>NAVIGATION EQUIPMENT</td>
<td>Other Navigation Equipment</td>
<td>65,943</td>
<td>65,943</td>
<td>65,943</td>
<td>65,943</td>
<td></td>
</tr>
<tr>
<td>PERISCOPEs</td>
<td>SUB Periscope &amp; Imaging Equip</td>
<td>76,000</td>
<td>29,000</td>
<td>29,000</td>
<td>29,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Submarine Warfare Federated Tactical Systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OTHER SHIPBOARD EQUIPMENT</td>
<td>DDG MOD</td>
<td>603,355</td>
<td>603,355</td>
<td>603,355</td>
<td>47,509</td>
<td>650,864</td>
</tr>
<tr>
<td></td>
<td>AWS upgrade kits unit cost growth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-4,526</td>
</tr>
<tr>
<td></td>
<td>CEC IFF Mode 5 Acceleration</td>
<td>(4,000)</td>
<td></td>
<td></td>
<td></td>
<td>-5,185</td>
</tr>
<tr>
<td></td>
<td>Destroyer modernization</td>
<td>(65,000)</td>
<td></td>
<td></td>
<td></td>
<td>-6,780</td>
</tr>
<tr>
<td></td>
<td>DMO13 installation insufficient budget justification</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-1,000</td>
</tr>
<tr>
<td></td>
<td>SPY-1 refurbishment</td>
<td>(30,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIREFIGHTING EQUIPMENT</td>
<td></td>
<td>15,887</td>
<td>15,887</td>
<td>15,887</td>
<td>15,887</td>
<td></td>
</tr>
<tr>
<td>COMMAND AND CONTROL SWITCHBOARD</td>
<td></td>
<td>2,240</td>
<td>2,240</td>
<td>2,240</td>
<td>2,240</td>
<td></td>
</tr>
<tr>
<td>UNDERWATER MOC</td>
<td></td>
<td>30,287</td>
<td>30,287</td>
<td>30,287</td>
<td>30,287</td>
<td></td>
</tr>
<tr>
<td>POLLUTION CONTROL EQUIPMENT</td>
<td></td>
<td>17,293</td>
<td>17,293</td>
<td>17,293</td>
<td>17,293</td>
<td></td>
</tr>
<tr>
<td>SUBMARINE SUPPORT EQUIPMENT</td>
<td></td>
<td>27,990</td>
<td>27,990</td>
<td>27,990</td>
<td>27,990</td>
<td></td>
</tr>
<tr>
<td>VIRGINIA CLASS SUPPORT EQUIPMENT</td>
<td></td>
<td>46,610</td>
<td>46,610</td>
<td>46,610</td>
<td>46,610</td>
<td></td>
</tr>
<tr>
<td>LCS CLASS SUPPORT EQUIPMENT</td>
<td></td>
<td>47,955</td>
<td>47,955</td>
<td>5,355</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Procurement ahead of need</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-42,600</td>
</tr>
<tr>
<td>SUBMARINE BATTERIES</td>
<td></td>
<td>17,594</td>
<td>17,594</td>
<td>17,594</td>
<td>17,594</td>
<td></td>
</tr>
<tr>
<td>LPD CLASS SUPPORT EQUIPMENT</td>
<td></td>
<td>61,908</td>
<td>61,908</td>
<td>61,908</td>
<td>61,908</td>
<td></td>
</tr>
<tr>
<td>STRATEGIC PLATFORM SUPPORT EQUIP</td>
<td></td>
<td>15,812</td>
<td>15,812</td>
<td>15,812</td>
<td>15,812</td>
<td></td>
</tr>
<tr>
<td>DSP EQUIPMENT</td>
<td></td>
<td>4,178</td>
<td>4,178</td>
<td>4,178</td>
<td>4,178</td>
<td></td>
</tr>
<tr>
<td>CG MODERNIZATION</td>
<td></td>
<td>306,050</td>
<td>306,050</td>
<td>306,050</td>
<td>306,050</td>
<td></td>
</tr>
<tr>
<td>CAG</td>
<td></td>
<td>5,507</td>
<td>5,507</td>
<td>5,507</td>
<td>5,507</td>
<td></td>
</tr>
<tr>
<td>UNDERWATER EOD PROGRAMS</td>
<td></td>
<td>55,922</td>
<td>55,922</td>
<td>55,922</td>
<td>55,922</td>
<td></td>
</tr>
<tr>
<td>ITEMS LESS THAN $5 MILLION</td>
<td></td>
<td>96,909</td>
<td>96,909</td>
<td>96,909</td>
<td>96,909</td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>027</td>
<td>CHEMICAL WARFARE DETECTORS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>028</td>
<td>SUBMARINE LIFE SUPPORT SYSTEM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>029</td>
<td>REACTOR POWER UNITS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>REACTOR COMPONENTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>031</td>
<td>DIVING AND SALVAGE EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>032</td>
<td>STANDARD BOATS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>033</td>
<td>PRODUCTION FACILITIES EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>034</td>
<td>OPERATING FORCES IPE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>035</td>
<td>OTHER SHIP SUPPORT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>036</td>
<td>LCS COMMON MISSION MODULES EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>037</td>
<td>LCS NCM MISSION MODULES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>038</td>
<td>LCS UCB MISSION MODULES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>039</td>
<td>LCS IN-SERVICE MODERNIZATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>LCS MODERNIZATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>041</td>
<td>LSD MIDLIFE &amp; MODERNIZATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>042</td>
<td>SSSN COMMON MISSION MODULES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>043</td>
<td>SSSN-98 RADAR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>044</td>
<td>AN/SQQ-89 SURF ASW COMBAT SYSTEM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>045</td>
<td>SSD ACOUSTIC EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>046</td>
<td>UFR: 3 Submarine Warfare Federated Tactical Systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>047</td>
<td>UNDERSEA WARFARE SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>048</td>
<td>ASW ELECTRONIC EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>049</td>
<td>SUBMARINE ACOUSTIC WARFARE SYSTEM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>SSTN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>051</td>
<td>FIXED SURVEILLANCE SYSTEM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: FY 2018 Request, House Authorized, Senate Authorized, Conference Change, Conference Authorized (In Thousands of Dollars)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>FY 2018</th>
<th>FY 2019</th>
<th>FY 2020</th>
<th>FY 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>052</td>
<td>SURTASS</td>
<td>30,180</td>
<td>10,000</td>
<td>40,180</td>
<td>10,000</td>
</tr>
<tr>
<td></td>
<td>UFR: 1 Additional</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>054</td>
<td>AN/SQQ-32</td>
<td>240,433</td>
<td>240,433</td>
<td>240,433</td>
<td>240,433</td>
</tr>
<tr>
<td>055</td>
<td>SHIPBOARD IM EXPLOIT</td>
<td>187,007</td>
<td>227,007</td>
<td>227,007</td>
<td>40,000</td>
</tr>
<tr>
<td></td>
<td>UFR: 3 SSEE Increment F and Paragon/Graywing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>056</td>
<td>AUTOMATED IDENTIFICATION SYSTEM (AIS)</td>
<td>510</td>
<td>510</td>
<td>510</td>
<td>510</td>
</tr>
<tr>
<td>058</td>
<td>NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)</td>
<td>10,741</td>
<td>10,741</td>
<td>10,741</td>
<td>10,741</td>
</tr>
<tr>
<td>061</td>
<td>AATS</td>
<td>38,016</td>
<td>38,016</td>
<td>38,016</td>
<td>38,016</td>
</tr>
<tr>
<td>062</td>
<td>NAVY COMMAND AND CONTROL SYSTEM (NCICS)</td>
<td>4,512</td>
<td>4,512</td>
<td>4,512</td>
<td>4,512</td>
</tr>
<tr>
<td>063</td>
<td>MINESweepING SYSTEM REPLACEMENT</td>
<td>8,796</td>
<td>8,796</td>
<td>8,796</td>
<td>8,796</td>
</tr>
<tr>
<td>065</td>
<td>NAVSTAR GPS RECEIVERS (SPACE)</td>
<td>15,923</td>
<td>15,923</td>
<td>15,923</td>
<td>15,923</td>
</tr>
<tr>
<td>066</td>
<td>AMERICANForCES RADIO AND TV SERVICE</td>
<td>2,730</td>
<td>2,730</td>
<td>2,730</td>
<td>2,730</td>
</tr>
<tr>
<td>067</td>
<td>STRATEGIC PLATFORM SUPPORT EQUIP</td>
<td>6,889</td>
<td>6,889</td>
<td>6,889</td>
<td>6,889</td>
</tr>
<tr>
<td>070</td>
<td>ASHORE ATC EQUIPMENT</td>
<td>71,882</td>
<td>71,882</td>
<td>71,882</td>
<td>71,882</td>
</tr>
<tr>
<td>071</td>
<td>AFLOAT ATC EQUIPMENT</td>
<td>44,611</td>
<td>44,611</td>
<td>44,611</td>
<td>44,611</td>
</tr>
<tr>
<td>072</td>
<td>B SYSTEMS</td>
<td>21,239</td>
<td>21,239</td>
<td>21,239</td>
<td>21,239</td>
</tr>
<tr>
<td>078</td>
<td>NAVAL MISSION PLANNING SYSTEMS</td>
<td>11,976</td>
<td>11,976</td>
<td>12,976</td>
<td>11,976</td>
</tr>
<tr>
<td>081</td>
<td>DCGS-N</td>
<td>13,790</td>
<td>13,790</td>
<td>13,790</td>
<td>13,790</td>
</tr>
<tr>
<td>082</td>
<td>CANES</td>
<td>322,754</td>
<td>322,754</td>
<td>322,754</td>
<td>322,754</td>
</tr>
<tr>
<td>083</td>
<td>RADC</td>
<td>10,718</td>
<td>10,718</td>
<td>10,718</td>
<td>10,718</td>
</tr>
<tr>
<td>084</td>
<td>CANES-INTELL</td>
<td>48,028</td>
<td>48,028</td>
<td>48,028</td>
<td>48,028</td>
</tr>
<tr>
<td>085</td>
<td>GPETE</td>
<td>6,861</td>
<td>6,861</td>
<td>6,861</td>
<td>6,861</td>
</tr>
<tr>
<td>086</td>
<td>MAP</td>
<td>8,081</td>
<td>8,081</td>
<td>8,081</td>
<td>8,081</td>
</tr>
<tr>
<td>087</td>
<td>NTES COMBAT SYSTEM TEST FACILITY</td>
<td>5,019</td>
<td>5,019</td>
<td>5,019</td>
<td>5,019</td>
</tr>
<tr>
<td>088</td>
<td>EMI CONTROL INSTRUMENTATION</td>
<td>4,188</td>
<td>4,188</td>
<td>4,188</td>
<td>4,188</td>
</tr>
<tr>
<td>089</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>105,292</td>
<td>105,292</td>
<td>105,292</td>
<td>105,292</td>
</tr>
<tr>
<td>090</td>
<td>SHIPBOARD TACTICAL COMMUNICATIONS</td>
<td>23,695</td>
<td>23,695</td>
<td>23,695</td>
<td>23,695</td>
</tr>
<tr>
<td>091</td>
<td>SHIP COMMUNICATIONS AUTOMATION</td>
<td>103,990</td>
<td>103,990</td>
<td>103,990</td>
<td>103,990</td>
</tr>
<tr>
<td>092</td>
<td>COMMUNICATIONS ITEMS UNDER $5M</td>
<td>18,577</td>
<td>18,577</td>
<td>18,577</td>
<td>18,577</td>
</tr>
</tbody>
</table>
### SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request Qty</th>
<th>FY 2018 Request Cost</th>
<th>House Authorized Qty</th>
<th>House Authorized Cost</th>
<th>Senate Authorized Qty</th>
<th>Senate Authorized Cost</th>
<th>Conference Change Qty</th>
<th>Conference Change Cost</th>
<th>Conference Authorized Qty</th>
<th>Conference Authorized Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>093</td>
<td>SUBMARINE COMMUNICATIONS</td>
<td>29,669</td>
<td>29,669</td>
<td>29,669</td>
<td>29,669</td>
<td>29,669</td>
<td>29,669</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>094</td>
<td>SUBMARINE COMMUNICATIONS</td>
<td>86,204</td>
<td>86,204</td>
<td>86,204</td>
<td>86,204</td>
<td>86,204</td>
<td>86,204</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>095</td>
<td>SATELLITE COMMUNICATIONS</td>
<td>14,654</td>
<td>14,654</td>
<td>14,654</td>
<td>14,654</td>
<td>14,654</td>
<td>14,654</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>096</td>
<td>SATELLITE COMMUNICATIONS</td>
<td>69,764</td>
<td>69,764</td>
<td>69,764</td>
<td>69,764</td>
<td>69,764</td>
<td>69,764</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>097</td>
<td>SHORE COMMUNICATIONS</td>
<td>4,256</td>
<td>4,256</td>
<td>4,256</td>
<td>4,256</td>
<td>4,256</td>
<td>4,256</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>098</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>89,663</td>
<td>89,663</td>
<td>101,663</td>
<td>89,663</td>
<td>89,663</td>
<td>89,663</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>099</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>961</td>
<td>961</td>
<td>961</td>
<td>961</td>
<td>961</td>
<td>961</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>11,287</td>
<td>11,287</td>
<td>11,287</td>
<td>11,287</td>
<td>11,287</td>
<td>11,287</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>101</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>36,584</td>
<td>36,584</td>
<td>36,584</td>
<td>36,584</td>
<td>36,584</td>
<td>36,584</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>173,616</td>
<td>173,616</td>
<td>173,616</td>
<td>173,616</td>
<td>173,616</td>
<td>173,616</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>103</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>72,110</td>
<td>72,110</td>
<td>72,110</td>
<td>72,110</td>
<td>72,110</td>
<td>72,110</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>104</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>108,482</td>
<td>108,482</td>
<td>108,482</td>
<td>108,482</td>
<td>108,482</td>
<td>108,482</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>105</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>10,900</td>
<td>10,900</td>
<td>10,900</td>
<td>10,900</td>
<td>10,900</td>
<td>10,900</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>21,137</td>
<td>21,137</td>
<td>21,137</td>
<td>21,137</td>
<td>21,137</td>
<td>21,137</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>660</td>
<td>660</td>
<td>660</td>
<td>660</td>
<td>660</td>
<td>660</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>108</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>20,605</td>
<td>20,605</td>
<td>20,605</td>
<td>20,605</td>
<td>20,605</td>
<td>20,605</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>109</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>34,032</td>
<td>34,032</td>
<td>34,032</td>
<td>34,032</td>
<td>34,032</td>
<td>34,032</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>5,277</td>
<td>5,277</td>
<td>5,277</td>
<td>5,277</td>
<td>5,277</td>
<td>5,277</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>111</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>272,359</td>
<td>272,359</td>
<td>272,359</td>
<td>272,359</td>
<td>272,359</td>
<td>272,359</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>CRYPTOGRAPHIC EQUIPMENT</td>
<td>73,184</td>
<td>73,184</td>
<td>73,184</td>
<td>73,184</td>
<td>73,184</td>
<td>73,184</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Category</td>
<td>Description</td>
<td>Quantity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>----------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FBM SUPPORT EQUIPMENT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>123</td>
<td>STRATEGIC MISSILE SYSTEMS EQUIP</td>
<td>246,221</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>124</td>
<td>ASW SUPPORT EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>125</td>
<td>SSN COMBAT CONTROL SYSTEMS</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>126</td>
<td>ASW SUPPORT EQUIPMENT</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>127</td>
<td>other ordnance support equipment</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>128</td>
<td>explosive ordnance disposal equipment</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>129</td>
<td>items less than $5 million</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>civil engineering support equipment</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>131</td>
<td>passenger carrying vehicles</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>general purpose trucks</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>133</td>
<td>construction &amp; maintenance equipment</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>134</td>
<td>fire fighting equipment</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>135</td>
<td>tactical vehicles</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>136</td>
<td>amphibious equipment</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>137</td>
<td>pollution control equipment</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>138</td>
<td>items under $5 million</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>139</td>
<td>physical security equipment</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>supply support equipment</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>141</td>
<td>supply equipment</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>142</td>
<td>first destination transportation</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>143</td>
<td>special purpose supply systems</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>144</td>
<td>training and education equipment</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>145</td>
<td>command support equipment</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>146</td>
<td>consolidate requirements Navy Enterprise Resource Planning</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>147</td>
<td>consolidate requirements Navy ePS</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>148</td>
<td>naval support equipment</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>149</td>
<td>operating forces support equipment</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>strategic systems</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>151</td>
<td>environmental support equipment</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>152</td>
<td>physical security equipment</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>153</td>
<td>consolidated requirements Port Security Barriers for Ship Repair Facilities</td>
<td>194,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>154</td>
<td>enterprise information technology</td>
<td>193,972</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>OTHER</td>
<td>104,584</td>
<td>104,584</td>
<td>104,584</td>
<td></td>
<td>104,584</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>161A</td>
<td>CLASSIFIED PROGRAMS</td>
<td>23,707</td>
<td>23,707</td>
<td>23,707</td>
<td></td>
<td>23,707</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>161</td>
<td>SPARES AND REPAIR PARTS</td>
<td>278,565</td>
<td>290,565</td>
<td>278,565</td>
<td></td>
<td>278,565</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>162</td>
<td>UNDISTRIBUTED</td>
<td></td>
<td>1,000,000</td>
<td>50,000</td>
<td>50,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Classified Project 0439</td>
<td></td>
<td>(1,000,000)</td>
<td>(50,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL OTHER PROCUREMENT, NAVY</td>
<td>8,277,789</td>
<td>8,665,189</td>
<td>9,495,858</td>
<td>241,198</td>
<td>8,518,987</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>001</td>
<td>TRACKED COMBAT VEHICLES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>AAV7A1 PIP</td>
<td>107,665</td>
<td>107,665</td>
<td>107,665</td>
<td></td>
<td>107,665</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>003</td>
<td>AMPHIBIOUS COMBAT VEHICLE L1</td>
<td>26</td>
<td>161,511</td>
<td>26</td>
<td>161,511</td>
<td>17,244</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>006</td>
<td>EXPEDITIONARY FIRE SUPPORT SYSTEM</td>
<td>20,259</td>
<td>20,259</td>
<td>20,259</td>
<td></td>
<td>20,259</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>007</td>
<td>WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION</td>
<td>19,616</td>
<td>19,616</td>
<td>19,616</td>
<td></td>
<td>19,616</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>008</td>
<td>MODIFICATION KITS</td>
<td></td>
<td>17,778</td>
<td>17,778</td>
<td></td>
<td>17,778</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>GUIDED MISSILES</td>
<td></td>
<td>9,432</td>
<td>9,432</td>
<td></td>
<td>9,432</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>011</td>
<td>JAVELIN</td>
<td>41,159</td>
<td>41,159</td>
<td>41,159</td>
<td></td>
<td>41,159</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>012</td>
<td>FOLLOW ON TO SMAW</td>
<td>25,125</td>
<td>25,125</td>
<td>25,125</td>
<td></td>
<td>25,125</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>013</td>
<td>ANTI-ARMOR WEAPONS SYSTEM-HEAVY (AAMS-HI)</td>
<td>51,553</td>
<td>51,553</td>
<td>51,553</td>
<td></td>
<td>51,553</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>014</td>
<td>REPAIR AND TEST EQUIPMENT</td>
<td></td>
<td>44,928</td>
<td>44,928</td>
<td></td>
<td>44,928</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>017</td>
<td>REPAIR AND TEST EQUIPMENT</td>
<td></td>
<td>33,056</td>
<td>33,056</td>
<td></td>
<td>33,056</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Category</td>
<td>Description</td>
<td>Budget 1</td>
<td>Budget 2</td>
<td>Budget 3</td>
<td>Budget 4</td>
<td>Budget 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>COMMAND AND CONTROL SYSTEM (NON-TEL)</strong></td>
<td>Items Under $5 Million (Comm &amp; Elec)</td>
<td>17,644</td>
<td>374</td>
<td>37,844</td>
<td>37,844</td>
<td>20,200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Night Optics for Sniper Rifle</td>
<td>(374)</td>
<td>(20,200)</td>
<td>(20,200)</td>
<td>(20,200)</td>
<td>18,393</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Air Operations C2 Systems</td>
<td>18,393</td>
<td>18,393</td>
<td>18,393</td>
<td>18,393</td>
<td>18,393</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>RADAR + EQUIPMENT (NON-TEL)</strong></td>
<td>Radar Systems</td>
<td>12,411</td>
<td>12,411</td>
<td>12,411</td>
<td>12,411</td>
<td>12,411</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ground/Air Task Oriented Radar (G/ATOR)</td>
<td>3</td>
<td>139,167</td>
<td>4</td>
<td>178,367</td>
<td>3</td>
<td>139,167</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Night Optics for Sniper Rifle</td>
<td>(1,500)</td>
<td>(37,700)</td>
<td>(1,500)</td>
<td>(37,700)</td>
<td>(1,500)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INTELL/COMM EQUIPMENT (NON-TEL)</strong></td>
<td>RQ-21 UAS</td>
<td>4</td>
<td>77,841</td>
<td>4</td>
<td>77,841</td>
<td>4</td>
<td>77,841</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OTHER SUPPORT (NON-TEL)</strong></td>
<td>NGEN</td>
<td>4,214</td>
<td>4,214</td>
<td>4,214</td>
<td>4,214</td>
<td>4,214</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Common Computer Resources</td>
<td>66,894</td>
<td>66,894</td>
<td>66,894</td>
<td>66,894</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Long Endurance Small UAS</td>
<td>10,154</td>
<td>10</td>
<td>26,754</td>
<td>10</td>
<td>23,654</td>
<td>10</td>
<td>13,500</td>
<td>10</td>
<td>23,654</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Command Post Systems</td>
<td>186,912</td>
<td>256,912</td>
<td>186,912</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Additional NIM-A Systems for emerging operational requirements</td>
<td>(70,000)</td>
<td>(20,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## SEC. 4101. PROCUREMENT

(50,000) 9,910 9,910 9,910

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>050</td>
<td>TACTICAL FUEL SYSTEMS</td>
<td>1,788</td>
<td>1,788</td>
<td>1,788</td>
<td>1,788</td>
<td></td>
</tr>
<tr>
<td>051</td>
<td>POWER EQUIPMENT ASSORTED</td>
<td>9,910</td>
<td>9,910</td>
<td>9,910</td>
<td>9,910</td>
<td></td>
</tr>
<tr>
<td>052</td>
<td>AMPHIBIOUS SUPPORT EQUIPMENT</td>
<td>5,830</td>
<td>5,830</td>
<td>5,830</td>
<td>5,830</td>
<td></td>
</tr>
<tr>
<td>053</td>
<td>EOD SYSTEMS</td>
<td>27,240</td>
<td>27,240</td>
<td>27,240</td>
<td>27,240</td>
<td></td>
</tr>
<tr>
<td>054</td>
<td>MATERIALS HANDLING EQUIPMENT</td>
<td>53,477</td>
<td>53,477</td>
<td>53,477</td>
<td>53,477</td>
<td></td>
</tr>
<tr>
<td>055</td>
<td>GENERAL PROPERTY</td>
<td>76,185</td>
<td>85,064</td>
<td>85,064</td>
<td>85,064</td>
<td></td>
</tr>
<tr>
<td>056</td>
<td>TRAINING DEVICES</td>
<td>76,185</td>
<td>85,064</td>
<td>85,064</td>
<td>85,064</td>
<td></td>
</tr>
<tr>
<td>057</td>
<td>FAMILY OF CONSTRUCTION EQUIPMENT</td>
<td>26,286</td>
<td>26,286</td>
<td>26,286</td>
<td>26,286</td>
<td></td>
</tr>
<tr>
<td>058</td>
<td>FAMILY OF INTERNALLY TRANSPORTABLE VEH (ITV)</td>
<td>1,583</td>
<td>1,583</td>
<td>1,583</td>
<td>1,583</td>
<td></td>
</tr>
<tr>
<td>059</td>
<td>OTHER SUPPORT</td>
<td>7,716</td>
<td>7,716</td>
<td>7,716</td>
<td>7,716</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>35,640</td>
<td>35,640</td>
<td>35,640</td>
<td>35,640</td>
<td></td>
</tr>
<tr>
<td>061</td>
<td>SPARES AND REPAIR PARTS</td>
<td>35,640</td>
<td>38,769</td>
<td>35,640</td>
<td>35,640</td>
<td></td>
</tr>
<tr>
<td>062</td>
<td>TOTAL PROCUREMENT, MARINE CORPS</td>
<td>782</td>
<td>2,064,825</td>
<td>1,167</td>
<td>2,222,833</td>
<td>792</td>
</tr>
<tr>
<td>063</td>
<td>AIRCRAFT PROCUREMENT, AIR FORCE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063A</td>
<td>TACTICAL FORCES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063B</td>
<td>F-35</td>
<td>46</td>
<td>4,544,684</td>
<td>56</td>
<td>5,804,684</td>
<td>60</td>
</tr>
<tr>
<td>063C</td>
<td>Additional Testing in Support of Unfunded Priority</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063D</td>
<td>UFR: Procure additional F-35As</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063E</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>780,300</td>
<td>780,300</td>
<td>780,300</td>
<td>780,300</td>
<td></td>
</tr>
<tr>
<td>063F</td>
<td>OA-X LIGHT ATTACK FIGHTER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063G</td>
<td>OA-X Light Attack Fighter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063H</td>
<td>TACTICAL AIRLIFT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063I</td>
<td>KC-46A TANKER</td>
<td>15</td>
<td>2,546,674</td>
<td>17</td>
<td>2,945,674</td>
<td>17</td>
</tr>
<tr>
<td>063J</td>
<td>UFR: Procure KC-46</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063K</td>
<td>OTHER AIRLIFT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063L</td>
<td>C-130</td>
<td>57,708</td>
<td>57,708</td>
<td>3</td>
<td>219,708</td>
<td>102,000</td>
</tr>
<tr>
<td>063M</td>
<td>Technical adjustments for Weapon System Trainers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063N</td>
<td>UFR: C-130 simulators</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aircraft Type</td>
<td>Model</td>
<td>Quantity</td>
<td>Unit Price</td>
<td>Total Cost</td>
<td>Quantity</td>
<td>Unit Price</td>
</tr>
<tr>
<td>--------------</td>
<td>-------</td>
<td>----------</td>
<td>------------</td>
<td>------------</td>
<td>----------</td>
<td>------------</td>
</tr>
<tr>
<td>Mission Support Aircraft</td>
<td>HC-130J</td>
<td>5</td>
<td>198,502</td>
<td>1,000,000</td>
<td>2</td>
<td>198,502</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MC-130J</td>
<td>5</td>
<td>379,373</td>
<td>1,609,373</td>
<td>11</td>
<td>979,373</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>30,000</td>
<td></td>
<td>30,000</td>
<td></td>
<td>30,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strategic Aircraft</td>
<td>B-2A</td>
<td>54</td>
<td>96,727</td>
<td>105,727</td>
<td></td>
<td>96,727</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B-1B</td>
<td>121,634</td>
<td>121,634</td>
<td></td>
<td>-34,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Large Aircraft Infrared Countermeasures</td>
<td>4,046</td>
<td>122,991</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C-130 LAIRCM</td>
<td>(54)</td>
<td>(9,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C-17 LAIRCM</td>
<td>(10)</td>
<td>(76,145)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C-5 LAIRCM</td>
<td>(10)</td>
<td>(23,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tactical Aircraft</td>
<td>A-10</td>
<td>4</td>
<td>109,010</td>
<td>109,010</td>
<td></td>
<td>109,010</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>F-15</td>
<td>4</td>
<td>109,010</td>
<td>109,010</td>
<td></td>
<td>109,010</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>F-16</td>
<td>203,864</td>
<td>203,864</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>F-22A</td>
<td>161,630</td>
<td>161,630</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>15,000</td>
<td>15,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>F-35 MODIFICATIONS</td>
<td>15,000</td>
<td>15,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>INCREMENT 3.2B</td>
<td>105,756</td>
<td>105,756</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>KC-46A TANKER</td>
<td>6,213</td>
<td>6,213</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Airlift Aircraft</td>
<td>C-9</td>
<td>36,592</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C-13A</td>
<td>6,817</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C-17A</td>
<td>125,522</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C-21</td>
<td>13,253</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C-32A</td>
<td>79,449</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C-37A</td>
<td>15,423</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>037</td>
<td>UFR: Procure C–37B</td>
<td>10,727</td>
<td>10,727</td>
<td>(3)</td>
<td>(191,300)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Technical adjustments</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>038</td>
<td>UFR: C–130J MODS</td>
<td>037</td>
<td>136</td>
<td>136</td>
<td>136</td>
<td></td>
</tr>
<tr>
<td>039</td>
<td>T–6</td>
<td>35,706</td>
<td>35,706</td>
<td>35,706</td>
<td>35,706</td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>T–1</td>
<td>21,477</td>
<td>21,477</td>
<td>21,477</td>
<td>21,477</td>
<td></td>
</tr>
<tr>
<td>041</td>
<td>T–38</td>
<td>51,641</td>
<td>51,641</td>
<td>51,641</td>
<td>51,641</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TRAINER AIRCRAFT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>042</td>
<td>U–2 MODS</td>
<td>36,406</td>
<td>36,406</td>
<td>36,406</td>
<td>36,406</td>
<td></td>
</tr>
<tr>
<td>043</td>
<td>KC–10A (ATCA)</td>
<td>4,243</td>
<td>4,243</td>
<td>4,243</td>
<td>4,243</td>
<td></td>
</tr>
<tr>
<td>044</td>
<td>C–130H upgrades for Air National Guard</td>
<td>5,846</td>
<td>5,846</td>
<td>5,846</td>
<td>5,846</td>
<td></td>
</tr>
<tr>
<td>045</td>
<td>VC–25A MODS</td>
<td>52,107</td>
<td>52,107</td>
<td>52,107</td>
<td>52,107</td>
<td></td>
</tr>
<tr>
<td>046</td>
<td>C–40</td>
<td>66,310</td>
<td>213,310</td>
<td>96,110</td>
<td>129,000</td>
<td></td>
</tr>
<tr>
<td>047</td>
<td>C–130H Inflight refuel system</td>
<td>(18,000)</td>
<td>(18,000)</td>
<td>(18,000)</td>
<td>(18,000)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C–130H NP2000 prep</td>
<td>(55,000)</td>
<td>(55,000)</td>
<td>(55,000)</td>
<td>(55,000)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C–130H T56 3.5</td>
<td>(74,000)</td>
<td>(74,000)</td>
<td>(74,000)</td>
<td>(74,000)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Propulsion improvement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>048</td>
<td>UFR: Prowlers AC–130 AGM–114 Cape</td>
<td>(26,800)</td>
<td>(26,800)</td>
<td>(26,800)</td>
<td>(26,800)</td>
<td></td>
</tr>
<tr>
<td>049</td>
<td>C–130 MODS</td>
<td>69,428</td>
<td>69,428</td>
<td>69,428</td>
<td>69,428</td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>OC–135B</td>
<td>23,091</td>
<td>23,091</td>
<td>23,091</td>
<td>23,091</td>
<td></td>
</tr>
<tr>
<td>051</td>
<td>Compass CALL MODS</td>
<td>166,541</td>
<td>166,541</td>
<td>102,968</td>
<td>102,968</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Technical adjustment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Avionics Viability Program (AVP) upgrades</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Expected disconnect in air vehicle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Mission and support equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>052</td>
<td>Combat Flight Inspection (CFI)</td>
<td>495</td>
<td>495</td>
<td>495</td>
<td>495</td>
<td></td>
</tr>
<tr>
<td>053</td>
<td>RC–135</td>
<td>201,559</td>
<td>201,559</td>
<td>201,559</td>
<td>201,559</td>
<td></td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
<td>FY17</td>
<td>FY18</td>
<td>FY19</td>
<td>FY20</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td>054</td>
<td>E-3</td>
<td>189,772</td>
<td>189,772</td>
<td>189,772</td>
<td>189,772</td>
<td></td>
</tr>
<tr>
<td>055</td>
<td>E-4</td>
<td>30,493</td>
<td>30,493</td>
<td>30,493</td>
<td>30,493</td>
<td></td>
</tr>
<tr>
<td>056</td>
<td>E-8</td>
<td>13,232</td>
<td>36,233</td>
<td>13,232</td>
<td>13,232</td>
<td></td>
</tr>
<tr>
<td>057</td>
<td>AIRBORNE WARNING AND CONTROL SYSTEM</td>
<td>164,786</td>
<td>164,786</td>
<td>164,786</td>
<td>164,786</td>
<td></td>
</tr>
<tr>
<td>058</td>
<td>FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS</td>
<td>24,716</td>
<td>24,716</td>
<td>31,353</td>
<td>24,716</td>
<td></td>
</tr>
<tr>
<td>059</td>
<td>H-1</td>
<td>3,730</td>
<td>3,730</td>
<td>12,230</td>
<td>3,730</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>H-60</td>
<td>75,989</td>
<td>92,989</td>
<td>75,989</td>
<td>92,989</td>
<td></td>
</tr>
<tr>
<td>061</td>
<td>MQ-9 MODS</td>
<td>43,968</td>
<td>40,968</td>
<td>83,968</td>
<td>40,968</td>
<td></td>
</tr>
<tr>
<td>062</td>
<td>UFR: Family of Advance Beyond Line of Sight-Terminals</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063</td>
<td>HC/MC-130 MODIFICATIONS</td>
<td>67,674</td>
<td>67,674</td>
<td>67,674</td>
<td>67,674</td>
<td></td>
</tr>
<tr>
<td>064</td>
<td>OTHER AIRCRAFT</td>
<td>59,068</td>
<td>59,068</td>
<td>59,068</td>
<td>59,068</td>
<td></td>
</tr>
<tr>
<td>065</td>
<td>MQ-9 MODS</td>
<td>264,740</td>
<td>269,940</td>
<td>264,740</td>
<td>264,740</td>
<td></td>
</tr>
<tr>
<td>066</td>
<td>CV-22 MODS</td>
<td>60,990</td>
<td>60,990</td>
<td>60,990</td>
<td>60,990</td>
<td></td>
</tr>
<tr>
<td>067</td>
<td>INITIAL SPARES/REPAIR PARTS</td>
<td>1,041,569</td>
<td>1,121,169</td>
<td>1,041,569</td>
<td>79,600</td>
<td></td>
</tr>
<tr>
<td>068</td>
<td>AIRCRAFT REPLACEMENT SUPPORT EQUIP</td>
<td>75,846</td>
<td>75,846</td>
<td>75,846</td>
<td>75,846</td>
<td></td>
</tr>
<tr>
<td>069</td>
<td>OTHER PRODUCTION CHARGES</td>
<td>8,524</td>
<td>8,524</td>
<td>8,524</td>
<td>8,524</td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>T-55A TRAINER</td>
<td>501</td>
<td>501</td>
<td>501</td>
<td>501</td>
<td></td>
</tr>
<tr>
<td>071</td>
<td>POST PRODUCTION SUPPORT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>072</td>
<td>B-2A</td>
<td>447</td>
<td>447</td>
<td>447</td>
<td>447</td>
<td></td>
</tr>
<tr>
<td>073</td>
<td>B-3A</td>
<td>38,509</td>
<td>38,509</td>
<td>38,509</td>
<td>38,509</td>
<td></td>
</tr>
<tr>
<td>074</td>
<td>B-32</td>
<td>199</td>
<td>199</td>
<td>199</td>
<td>199</td>
<td></td>
</tr>
<tr>
<td>075</td>
<td>C-17A</td>
<td>12,028</td>
<td>12,028</td>
<td>12,028</td>
<td>12,028</td>
<td></td>
</tr>
<tr>
<td>076</td>
<td>RC-135</td>
<td>29,700</td>
<td>29,700</td>
<td>29,700</td>
<td>29,700</td>
<td></td>
</tr>
<tr>
<td>077</td>
<td>F-15</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td></td>
</tr>
<tr>
<td>078</td>
<td>F-15</td>
<td>2,524</td>
<td>2,524</td>
<td>2,524</td>
<td>2,524</td>
<td></td>
</tr>
<tr>
<td>079</td>
<td>F-16</td>
<td>18,051</td>
<td>5,651</td>
<td>18,051</td>
<td>5,651</td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>F-22A</td>
<td>119,566</td>
<td>119,566</td>
<td>119,566</td>
<td>119,566</td>
<td></td>
</tr>
<tr>
<td>081</td>
<td>OTHER AIRCRAFT</td>
<td>85,000</td>
<td>85,000</td>
<td>85,000</td>
<td>85,000</td>
<td></td>
</tr>
<tr>
<td>082</td>
<td>RQ-4 POST PRODUCTION CHARGES</td>
<td>86,695</td>
<td>86,695</td>
<td>86,695</td>
<td>86,695</td>
<td></td>
</tr>
<tr>
<td>083</td>
<td>CV-22 MODS</td>
<td>4,500</td>
<td>4,500</td>
<td>4,500</td>
<td>4,500</td>
<td></td>
</tr>
</tbody>
</table>
### SEC. 4101. PROCUREMENT

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>087</td>
<td>INDUSTRIAL RESPONSIVENESS</td>
<td>Program increase</td>
<td>16,000</td>
<td>16,000</td>
<td>16,000</td>
<td>16,000</td>
</tr>
<tr>
<td>088</td>
<td>C-130J</td>
<td>Technical adjustments for Weapon System Trainers</td>
<td>1,000</td>
<td>1,000</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td>089</td>
<td>WAR CONSUMABLES</td>
<td></td>
<td>37,647</td>
<td>37,647</td>
<td>37,647</td>
<td>37,647</td>
</tr>
<tr>
<td>090</td>
<td>OTHER PRODUCTION CHARGES</td>
<td></td>
<td>1,339,160</td>
<td>1,339,160</td>
<td>1,339,160</td>
<td>1,339,160</td>
</tr>
<tr>
<td>092</td>
<td>OTHER AIRCRAFT</td>
<td></td>
<td>600</td>
<td>600</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>092A</td>
<td>CLASSIFIED PROGRAMS</td>
<td></td>
<td>53,212</td>
<td>53,212</td>
<td>53,212</td>
<td>53,212</td>
</tr>
<tr>
<td></td>
<td>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</td>
<td></td>
<td>188</td>
<td>15,430,849</td>
<td>319</td>
<td>18,362,194</td>
</tr>
<tr>
<td></td>
<td>MISSILE PROCUREMENT, AIR FORCE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>001</td>
<td>MISSILE REPLACEMENT EQUIPMENT—BALLISTIC</td>
<td></td>
<td>99,098</td>
<td>99,098</td>
<td>99,098</td>
<td>99,098</td>
</tr>
<tr>
<td>032</td>
<td>JOINT AIR-SURFACE STANDOF MISSLE</td>
<td></td>
<td>360</td>
<td>441,367</td>
<td>360</td>
<td>441,367</td>
</tr>
<tr>
<td>033</td>
<td>LRASMO</td>
<td></td>
<td>15</td>
<td>61,728</td>
<td>15</td>
<td>61,728</td>
</tr>
<tr>
<td>034</td>
<td>SIDENRIGER (JAM-IR)</td>
<td></td>
<td>310</td>
<td>125,350</td>
<td>310</td>
<td>125,350</td>
</tr>
<tr>
<td>035</td>
<td>AMRAAM</td>
<td></td>
<td>205</td>
<td>304,327</td>
<td>205</td>
<td>304,327</td>
</tr>
<tr>
<td>036</td>
<td>PREDATOR HELLFIRE MISSLE</td>
<td></td>
<td>399</td>
<td>34,867</td>
<td>399</td>
<td>34,867</td>
</tr>
<tr>
<td>037</td>
<td>SMALL DIAMETER BOMB</td>
<td></td>
<td>5,039</td>
<td>266,030</td>
<td>5,039</td>
<td>266,030</td>
</tr>
<tr>
<td>038</td>
<td>INDUSTRIAL FACILITIES</td>
<td></td>
<td>926</td>
<td>926</td>
<td>926</td>
<td>926</td>
</tr>
<tr>
<td>039</td>
<td>ICBM FUZE MOD</td>
<td></td>
<td>6,334</td>
<td>6,334</td>
<td>6,334</td>
<td>6,334</td>
</tr>
<tr>
<td>040</td>
<td>MM III MODIFICATIONS</td>
<td></td>
<td>80,109</td>
<td>80,109</td>
<td>80,109</td>
<td>80,109</td>
</tr>
<tr>
<td></td>
<td>UFR: (NUC) Upgrade Minimum Essential Emergency Com- munications Network (MEECN) (MMIII).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
AGM-65D MAVERICK .......................................................................... 289 289 289 289
AIR LAUNCH CRUISE MISSILE (ALCM) ................................................ 36,425 36,425 36,425 36,425
SMALL DIAMETER BOMB ................................................................. 14,086 14,086 14,086 14,086
INITIAL SPARES/REPAIR PARTS .................................................... 101,153 101,153 101,153 101,153
SPECIAL PROGRAMS ........................................................................ 44,917 44,917 44,917 44,917
INITIAL SPARES/REPAIR PARTS .................................................... 101,153 101,153 101,153 101,153
TOTAL MISSILE PROCUREMENT, AIR FORCE ............................... 6,328 2,308,182 6,328 2,325,182 6,328 2,356,182 17,000 6,328 2,325,182

SPECIAL PROGRAMS
ADVANCED EHF ................................................................................... 56,974 56,974 56,974 56,974
AF SATELLITE COMM SYSTEM ............................................................ 57,516 57,516 57,516 57,516
COUNTERSPACE SYSTEMS .............................................................. 28,798 28,798 28,798 28,798
FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS ......................... 146,972 146,972 159,500 146,972
UFR: Family of Advanced Beyond Line of Sight-Terminals ........ 
WIDEBAND GAPFILLER SATELLITES(SPACE) ........................................ 80,849 80,849 80,849 80,849
UFR: Long lead procurement for protecting supply chain and schedule for WGS communications.
GPS III SPACE SEGMENT ................................................................. 85,894 85,894 85,894 85,894
GLOBAL POSITIONING (SPACE) ....................................................... 2,198 2,198 2,198 2,198
SPACEBORNE EQUIP (COMSEC) ......................................................... 25,048 25,048 25,048 25,048
MILSATCOM ....................................................................................... 33,033 33,033 33,033 33,033
EVOLVED EXPENDABLE LAUNCH CAPABILITY ............................... 957,420 957,420 957,420 957,420
EVOLVED EXPENDABLE LAUNCH VEH(SPACE) ................................. 606,488 606,488 606,488 606,488
SBIRS HIGH (SPACE) ......................................................................... 981,099 1,057,359 1,054,809 1,054,809
UFR: SBIRS equipment ............................................................... (76,250) (73,800) (73,800) (73,800)
ADVANCE PROCUREMENT (CY) ..................................................... 132,420 132,420 132,420 132,420
NUDET DETECTION SYSTEM .............................................................. 6,370 6,370 6,370 6,370
SPACE MODS ..................................................................................... 37,203 37,203 37,203 37,203
UFR: Fix Enterprise Space Battle Management Command & Control (BMCC)
SPACECRAFT RANGE SYSTEM SPACE ............................................ 113,874 113,874 113,874 113,874
EPARES ................................................................................................. 18,709 18,709 18,709 18,709
TOTAL SPACE PROCUREMENT, AIR FORCE ................................. 3 3,378,775 3 3,547,125 3 3,478,103 73,800 3 3,444,575
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>001</td>
<td>ROCKETS</td>
<td>147,454</td>
<td>147,454</td>
<td>147,454</td>
<td>147,454</td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>CARTRIDGES</td>
<td>161,744</td>
<td>161,744</td>
<td>161,744</td>
<td>161,744</td>
<td></td>
</tr>
<tr>
<td>003</td>
<td>PRACTICE BOMBS</td>
<td>28,509</td>
<td>28,509</td>
<td>28,509</td>
<td>28,509</td>
<td></td>
</tr>
<tr>
<td>005</td>
<td>MASSIVE ORDNANCE PENETRATOR (MOP)</td>
<td>38,382</td>
<td>38,382</td>
<td>38,382</td>
<td>38,382</td>
<td></td>
</tr>
<tr>
<td>006</td>
<td>JOINT DIRECT ATTACK MUNITION</td>
<td>10,330</td>
<td>10,330</td>
<td>10,330</td>
<td>10,330</td>
<td></td>
</tr>
<tr>
<td>007</td>
<td>B61</td>
<td>319,525</td>
<td>319,525</td>
<td>319,525</td>
<td>319,525</td>
<td></td>
</tr>
<tr>
<td>008</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td>11,239</td>
<td>11,239</td>
<td>11,239</td>
<td>11,239</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OTHER ITEMS</td>
<td>53,469</td>
<td>53,469</td>
<td>53,469</td>
<td>53,469</td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>CAD/PAD</td>
<td>5,921</td>
<td>5,921</td>
<td>5,921</td>
<td>5,921</td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>EXPLOSIVE ORDNANCE DISPOSAL (EOD)</td>
<td>678</td>
<td>678</td>
<td>678</td>
<td>678</td>
<td></td>
</tr>
<tr>
<td>011</td>
<td>SPARES AND REPAIR PARTS</td>
<td>1,409</td>
<td>1,409</td>
<td>1,409</td>
<td>1,409</td>
<td></td>
</tr>
<tr>
<td>012</td>
<td>MODIFICATIONS</td>
<td>5,047</td>
<td>5,047</td>
<td>5,047</td>
<td>5,047</td>
<td></td>
</tr>
<tr>
<td>015</td>
<td>FLARES</td>
<td>143,983</td>
<td>143,983</td>
<td>143,983</td>
<td>143,983</td>
<td></td>
</tr>
<tr>
<td>016</td>
<td>FUZES</td>
<td>24,062</td>
<td>24,062</td>
<td>24,062</td>
<td>24,062</td>
<td></td>
</tr>
<tr>
<td>017</td>
<td>SMALL ARMS</td>
<td>28,611</td>
<td>28,611</td>
<td>28,611</td>
<td>28,611</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>001</td>
<td>PASSENGER CARRYING VEHICLES</td>
<td>15,651</td>
<td>21,523</td>
<td>16,751</td>
<td>15,651</td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>MEDIUM TACTICAL VEHICLE</td>
<td>54,607</td>
<td>67,307</td>
<td>54,607</td>
<td>67,307</td>
<td></td>
</tr>
<tr>
<td>Category</td>
<td>Unfunded Requirement</td>
<td>FY 2023</td>
<td>FY 2024</td>
<td>FY 2025</td>
<td>FY 2026</td>
<td>FY 2027</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>----------------------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td>Unfunded Requirement</td>
<td>[113]</td>
<td>[13,300]</td>
<td>[113]</td>
<td>[13,300]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>003 CAP VEHICLES</td>
<td>1,011</td>
<td>1,011</td>
<td>1,011</td>
<td>1,011</td>
<td>78,020</td>
<td></td>
</tr>
<tr>
<td>004 CARGO AND UTILITY VEHICLES</td>
<td>28,670</td>
<td>107,466</td>
<td>28,670</td>
<td>49,350</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPECIAL PURPOSE VEHICLES</td>
<td>59,398</td>
<td>69,362</td>
<td>70,008</td>
<td>9,964</td>
<td>69,362</td>
<td></td>
</tr>
<tr>
<td>SECURITY AND TACTICAL VEHICLES</td>
<td>19,784</td>
<td>60</td>
<td>30,391</td>
<td>10,607</td>
<td>30,391</td>
<td></td>
</tr>
<tr>
<td>SPECIAL PURPOSE VEHICLES</td>
<td>14,768</td>
<td>14,768</td>
<td>14,768</td>
<td>14,768</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SECURITY AND TACTICAL VEHICLES</td>
<td>13,561</td>
<td>469</td>
<td>92,868</td>
<td>17,761</td>
<td>270</td>
<td>45,528</td>
</tr>
<tr>
<td>SPECIAL PURPOSE VEHICLES</td>
<td>60,075</td>
<td>68</td>
<td>73,305</td>
<td>68</td>
<td>73,305</td>
<td></td>
</tr>
<tr>
<td>FIRE FIGHTING/CRASH RESCUE VEHICLES</td>
<td>3,429</td>
<td>44</td>
<td>11,550</td>
<td>44</td>
<td>11,550</td>
<td></td>
</tr>
<tr>
<td>MATERIALS HANDLING VEHICLES</td>
<td>66,143</td>
<td>104,843</td>
<td>123,343</td>
<td>38,700</td>
<td>104,843</td>
<td></td>
</tr>
<tr>
<td>BASE MAINTENANCE SUPPORT</td>
<td>12,641</td>
<td>12,641</td>
<td>12,641</td>
<td>12,641</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NATIONAL AIRSPACE SYSTEM</td>
<td>6,415</td>
<td>7,815</td>
<td>7,815</td>
<td>1,400</td>
<td>7,815</td>
<td></td>
</tr>
<tr>
<td>THEATER AIR CONTROL SYS IMPROVEMENTS</td>
<td>23,233</td>
<td>23,233</td>
<td>23,233</td>
<td>23,233</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEYENNE MOUNTAIN COMPLEX</td>
<td>9,864</td>
<td>9,864</td>
<td>9,864</td>
<td>9,864</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>-----</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>023</td>
<td>MISSION PLANNING SYSTEMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>025</td>
<td>INTEGRATED STRAT PLAN &amp; ANALY NETWORK (ISFAN)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>026</td>
<td>GENERAL INFORMATION TECHNOLOGY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>027</td>
<td>AF GLOBAL COMMAND &amp; CONTROL SYS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>028</td>
<td>MOBILITY COMMAND AND CONTROL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>029</td>
<td>AIR FORCE PHYSICAL SECURITY SYSTEM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>COMBAT TRAINING RANGES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>031</td>
<td>MINIMUM ESSENTIAL EMERGENCY COMM N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>032</td>
<td>WIDE AREA SURVEILLANCE (WAS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>033</td>
<td>C3 COUNTERMEASURES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>034</td>
<td>SCSS-AF FDS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>035</td>
<td>DEFENSE ENTERPRISE ACCOUNTING AND MGMT SYSTEM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>036</td>
<td>THEATER BATTLE MG/C2 SYSTEM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>037</td>
<td>AIR &amp; SPACE OPERATIONS CTR-WPN SYS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>038</td>
<td>AIR FORCE COMMUNICATIONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>039</td>
<td>BASE INFORMATION TRANSPRT INFRAST (BITI) WIRED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>AFNET</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>041</td>
<td>JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>042</td>
<td>USCENTCOM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>043</td>
<td>ORGANIZATION AND BASE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>044</td>
<td>TACTICAL C-E EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>045</td>
<td>COMBAT SURVIVOR EVADER LOCATER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>046</td>
<td>RADIO EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>047</td>
<td>CIVIL/AIRSOVIAL EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>048</td>
<td>BASE COMM INFRASTRUCTURE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MODIFICATIONS
<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>FY 2018</th>
<th>FY 2019</th>
<th>FY 2020</th>
<th>FY 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>049</td>
<td>COMM ELECT MODS</td>
<td>70,798</td>
<td>70,798</td>
<td>70,798</td>
<td>70,798</td>
</tr>
<tr>
<td>051</td>
<td>PERSONAL SAFETY &amp; RESCUE EQUIP</td>
<td>52,964</td>
<td>116,864</td>
<td>137,664</td>
<td>63,900</td>
</tr>
<tr>
<td></td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Battlefield Arman Combat Equipment</td>
<td>(59,400)</td>
<td>(63,700)</td>
<td>(59,400)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Parachute Phantom Oxygen System</td>
<td>(500)</td>
<td>(1,000)</td>
<td>(500)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirements</td>
<td>(4,000)</td>
<td>(4,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>052</td>
<td>DEPOT PLANT+MTRLS HANDLING EQ</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>053</td>
<td>BASE SUPPORT EQUIPMENT</td>
<td>10,381</td>
<td>10,381</td>
<td>10,381</td>
<td>10,381</td>
</tr>
<tr>
<td>054</td>
<td>ENGINEERING AND EOD EQUIPMENT</td>
<td>15,038</td>
<td>20,038</td>
<td>15,038</td>
<td>5,000</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirements</td>
<td>5,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>055</td>
<td>MOBILITY EQUIPMENT</td>
<td>26,287</td>
<td>58,837</td>
<td>26,287</td>
<td>32,550</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td>(32,550)</td>
<td>(32,550)</td>
</tr>
<tr>
<td>056</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>8,470</td>
<td>45,470</td>
<td>45,150</td>
<td>36,680</td>
</tr>
<tr>
<td></td>
<td>Base Expeditionary Airfield Resources spare requirements in support of the Set the Theater, PACOM.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>058</td>
<td>DARP RC135</td>
<td>25,985</td>
<td>25,985</td>
<td>25,985</td>
<td>25,985</td>
</tr>
<tr>
<td>059</td>
<td>DCGS-AF</td>
<td>178,423</td>
<td>269,623</td>
<td>178,423</td>
<td>178,423</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td>(91,200)</td>
<td></td>
</tr>
<tr>
<td>061</td>
<td>SPECIAL UPDATE PROGRAM</td>
<td>881,980</td>
<td>881,980</td>
<td>881,980</td>
<td>881,980</td>
</tr>
<tr>
<td></td>
<td>Classified Programs</td>
<td>16,848,568</td>
<td>16,848,568</td>
<td>16,848,568</td>
<td>16,848,568</td>
</tr>
<tr>
<td>064</td>
<td>SPARES AND REPAIR PARTS</td>
<td>26,675</td>
<td>26,675</td>
<td>26,675</td>
<td>(2,930)</td>
</tr>
<tr>
<td>062A</td>
<td>CLASSIFIED PROGRAMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>042</td>
<td>PROCUREMENT, DEFENSE-WIDE</td>
<td>19,891,552</td>
<td>3,302</td>
<td>20,468,749</td>
<td>20,343,951</td>
</tr>
<tr>
<td>041</td>
<td>MAJOR EQUIPMENT, OSD</td>
<td>20</td>
<td>36,999</td>
<td>20</td>
<td>36,999</td>
</tr>
<tr>
<td>045</td>
<td>MAJOR EQUIPMENT, WHS</td>
<td>10,529</td>
<td>10,529</td>
<td>10,529</td>
<td>10,529</td>
</tr>
<tr>
<td>007</td>
<td>INFORMATION SYSTEMS SECURITY</td>
<td>24,805</td>
<td>24,805</td>
<td>24,805</td>
<td>24,805</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
</tr>
<tr>
<td>008</td>
<td>TELEPORT PROGRAM</td>
<td></td>
<td>46,638</td>
<td>46,638</td>
<td>46,638</td>
</tr>
<tr>
<td>009</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td></td>
<td>15,541</td>
<td>15,541</td>
<td>15,541</td>
</tr>
<tr>
<td>010</td>
<td>NET CENTRIC ENTERPRISE SERVICES (NCES)</td>
<td></td>
<td>1,161</td>
<td>1,161</td>
<td>1,161</td>
</tr>
<tr>
<td>011</td>
<td>DEFENSE INFORMATION SYSTEM NETWORK</td>
<td></td>
<td>126,345</td>
<td>126,345</td>
<td>126,345</td>
</tr>
<tr>
<td>012</td>
<td>CYBER SECURITY INITIATIVE</td>
<td></td>
<td>1,817</td>
<td>1,817</td>
<td>1,817</td>
</tr>
<tr>
<td>013</td>
<td>WHITE HOUSE COMMUNICATION AGENCY</td>
<td></td>
<td>45,243</td>
<td>45,243</td>
<td>45,243</td>
</tr>
<tr>
<td>014</td>
<td>SENIOR LEADERSHIP ENTERPRISE</td>
<td></td>
<td>294,139</td>
<td>294,139</td>
<td>294,139</td>
</tr>
<tr>
<td>016</td>
<td>JOINT REGIONAL SECURITY STACKS (JRSS)</td>
<td></td>
<td>188,483</td>
<td>188,483</td>
<td>188,483</td>
</tr>
<tr>
<td>017</td>
<td>JOINT SERVICE PROVIDER</td>
<td></td>
<td>100,783</td>
<td>100,783</td>
<td>100,783</td>
</tr>
<tr>
<td></td>
<td>MAJOR EQUIPMENT, DLA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>019</td>
<td>MAJOR EQUIPMENT</td>
<td></td>
<td>2,951</td>
<td>2,951</td>
<td>2,951</td>
</tr>
<tr>
<td>023</td>
<td>MAJOR EQUIPMENT, DSS</td>
<td></td>
<td>1,073</td>
<td>1,073</td>
<td>1,073</td>
</tr>
<tr>
<td></td>
<td>MAJOR EQUIPMENT, DCAA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>001</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td></td>
<td>1,475</td>
<td>1,475</td>
<td>1,475</td>
</tr>
<tr>
<td>043</td>
<td>MAJOR EQUIPMENT, TJS</td>
<td></td>
<td>9,341</td>
<td>9,341</td>
<td>9,341</td>
</tr>
<tr>
<td>044</td>
<td>MAJOR EQUIPMENT, TJS—CE2T2</td>
<td></td>
<td>903</td>
<td>903</td>
<td>903</td>
</tr>
<tr>
<td></td>
<td>MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>027</td>
<td>THAAD</td>
<td></td>
<td>960,732</td>
<td>108,120,132</td>
<td>108,120,132</td>
</tr>
<tr>
<td>027A</td>
<td>Thaad UFR: Procures additional THAAD Interceptors</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>027B</td>
<td>GROUND BASED MIDCOURSE</td>
<td></td>
<td>180,000</td>
<td>180,000</td>
<td>180,000</td>
</tr>
<tr>
<td>028</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td></td>
<td>80,000</td>
<td>80,000</td>
<td>80,000</td>
</tr>
<tr>
<td>029</td>
<td>AEGIS BMD</td>
<td></td>
<td>876,018</td>
<td>1,034,018</td>
<td>1,034,018</td>
</tr>
<tr>
<td></td>
<td>Additional SM-3 Block 1B</td>
<td></td>
<td>(11) (158,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>ADVANCE PROCUREMENT (CY)</td>
<td></td>
<td>38,738</td>
<td>38,738</td>
<td>38,738</td>
</tr>
<tr>
<td>030A</td>
<td>BMDS ANTPY-2 RADARS</td>
<td></td>
<td>11,947</td>
<td>11,947</td>
<td>11,947</td>
</tr>
<tr>
<td>031</td>
<td>ARROW UPPER TIER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Program increase for co-production</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>032</td>
<td>DAVID'S SLING</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Program increase for co-production</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>033</td>
<td>AEGIS Ashore PHASE III</td>
<td></td>
<td>50,739</td>
<td>50,739</td>
<td>50,739</td>
</tr>
<tr>
<td>034</td>
<td>IRON DOME</td>
<td></td>
<td>1</td>
<td>42,000</td>
<td>42,000</td>
</tr>
<tr>
<td>Item</td>
<td>Budget 2022</td>
<td>Budget 2021</td>
<td>Increase</td>
<td>Decrease</td>
<td>Budget 2021</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-------------</td>
<td>-------------</td>
<td>----------</td>
<td>----------</td>
<td>-------------</td>
</tr>
<tr>
<td>Increase for Co-production of Iron Dome Tamir interceptors ...</td>
<td>51,000</td>
<td>50,000</td>
<td></td>
<td></td>
<td>50,000</td>
</tr>
<tr>
<td>AEGIS BMD HARDWARE AND SOFTWARE</td>
<td>160,330</td>
<td>160,330</td>
<td></td>
<td></td>
<td>160,330</td>
</tr>
<tr>
<td>DAVID'S SLING</td>
<td>120,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase to DSWS Co-production</td>
<td>120,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARROW UPPER TIER</td>
<td>120,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase Arrow 3 Co-production</td>
<td>120,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAJOR EQUIPMENT, DMIA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PERSONNEL ADMINISTRATION</td>
<td>14,588</td>
<td>14,588</td>
<td></td>
<td></td>
<td>14,588</td>
</tr>
<tr>
<td>VEHICLES</td>
<td>12,363</td>
<td>12,363</td>
<td></td>
<td></td>
<td>12,363</td>
</tr>
<tr>
<td>OTHER MAJOR EQUIPMENT</td>
<td>1,910</td>
<td>1,910</td>
<td></td>
<td></td>
<td>1,910</td>
</tr>
<tr>
<td>AUTOMATION/EDUCATIONAL SUPPORT &amp; LOGISTICS</td>
<td>4,347</td>
<td>4,347</td>
<td></td>
<td></td>
<td>4,347</td>
</tr>
<tr>
<td>MAJOR EQUIPMENT, DCMA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAJOR EQUIPMENT, DMACT</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MAJOR EQUIPMENT</td>
<td>13,464</td>
<td>13,464</td>
<td></td>
<td></td>
<td>13,464</td>
</tr>
<tr>
<td>CLASSIFIED PROGRAMS</td>
<td>657,759</td>
<td>657,759</td>
<td></td>
<td></td>
<td>657,759</td>
</tr>
<tr>
<td>AVIATION PROGRAMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROTARY WING UPGRADES AND SUSTAINMENT</td>
<td>158,988</td>
<td>151,488</td>
<td>145,488</td>
<td>–13,500</td>
<td>145,488</td>
</tr>
<tr>
<td>UNMANNED ISR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NON-STANDARD AVIATION</td>
<td>4,892</td>
<td>4,892</td>
<td></td>
<td></td>
<td>4,892</td>
</tr>
<tr>
<td>U-28</td>
<td>5,769</td>
<td>5,769</td>
<td></td>
<td></td>
<td>5,769</td>
</tr>
<tr>
<td>UFR, Aircraft loss replacement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NH-47 CHINOOK</td>
<td>87,345</td>
<td>87,345</td>
<td></td>
<td></td>
<td>87,345</td>
</tr>
<tr>
<td>CV-22 MODIFICATION</td>
<td>42,178</td>
<td>42,178</td>
<td></td>
<td></td>
<td>42,178</td>
</tr>
<tr>
<td>MQ-9 UNMANNED AERIAL VEHICLE</td>
<td>21,660</td>
<td>21,660</td>
<td></td>
<td></td>
<td>21,660</td>
</tr>
<tr>
<td>PRECISION STRIKE PACKAGE</td>
<td>229,728</td>
<td>229,728</td>
<td></td>
<td></td>
<td>229,728</td>
</tr>
<tr>
<td>AC/NC-130</td>
<td>179,934</td>
<td>179,934</td>
<td></td>
<td></td>
<td>179,934</td>
</tr>
<tr>
<td>C-130 MODIFICATIONS</td>
<td>28,059</td>
<td>28,059</td>
<td></td>
<td></td>
<td>28,059</td>
</tr>
<tr>
<td>SHIPBUILDING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNDERWATER SYSTEMS</td>
<td>92,606</td>
<td>79,806</td>
<td>–12,800</td>
<td></td>
<td>79,806</td>
</tr>
<tr>
<td>SOCOM requested transfer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMMUNITION PROGRAMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ORDNANCE ITEMS &lt;$5M</td>
<td>112,331</td>
<td>112,331</td>
<td></td>
<td></td>
<td>112,331</td>
</tr>
<tr>
<td>INTELLIGENCE SYSTEMS</td>
<td>82,538</td>
<td>82,538</td>
<td></td>
<td></td>
<td>82,538</td>
</tr>
<tr>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>11,042</td>
<td>11,042</td>
<td></td>
<td></td>
<td>11,042</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>-----------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
</tr>
<tr>
<td>066</td>
<td>OTHER ITEMS &lt;$5M</td>
<td></td>
<td>54,592</td>
<td>54,592</td>
<td>54,592</td>
</tr>
<tr>
<td>067</td>
<td>COMBATANT CRAFT SYSTEMS</td>
<td></td>
<td>23,072</td>
<td>23,072</td>
<td>23,072</td>
</tr>
<tr>
<td>068</td>
<td>SPECIAL PROGRAMS</td>
<td></td>
<td>16,053</td>
<td>16,053</td>
<td>16,053</td>
</tr>
<tr>
<td>069</td>
<td>TACTICAL VEHICLES</td>
<td></td>
<td>63,304</td>
<td>63,304</td>
<td>63,304</td>
</tr>
<tr>
<td>070</td>
<td>WARFAIR SYSTEMS &lt;$5M</td>
<td></td>
<td>252,070</td>
<td>252,070</td>
<td>252,070</td>
</tr>
<tr>
<td>071</td>
<td>COMBAT MISSION REQUIREMENTS</td>
<td></td>
<td>19,570</td>
<td>19,570</td>
<td>19,570</td>
</tr>
<tr>
<td>072</td>
<td>GLOBAL VIDEO SURVEILLANCE ACTIVITIES</td>
<td></td>
<td>3,589</td>
<td>3,589</td>
<td>3,589</td>
</tr>
<tr>
<td>073</td>
<td>OPERATIONAL ENHANCEMENTS INTELLIGENCE</td>
<td></td>
<td>17,953</td>
<td>17,953</td>
<td>17,953</td>
</tr>
<tr>
<td>075</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td></td>
<td>241,429</td>
<td>241,429</td>
<td>26</td>
</tr>
</tbody>
</table>

UFR: Medium Precision Strike munitions

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>076</td>
<td>CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS</td>
<td></td>
<td>135,031</td>
<td>135,031</td>
<td>135,031</td>
<td>135,031</td>
</tr>
<tr>
<td>077</td>
<td>CR PROTECTION &amp; HAZARD MITIGATION</td>
<td></td>
<td>141,027</td>
<td>141,027</td>
<td>141,027</td>
<td>141,027</td>
</tr>
<tr>
<td></td>
<td>TOTAL PROCUREMENT, DEFENSE-WIDE</td>
<td></td>
<td>199</td>
<td>6,074,558</td>
<td>234</td>
<td>6,501,558</td>
</tr>
<tr>
<td></td>
<td>JOINT URGENT OPERATIONAL NEEDS FUND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>001</td>
<td>JOINT URGENT OPERATIONAL NEEDS FUND</td>
<td></td>
<td>99,795</td>
<td>99,795</td>
<td>99,795</td>
<td>99,795</td>
</tr>
<tr>
<td></td>
<td>Program reduction</td>
<td></td>
<td>(-99,795)</td>
<td>(-99,795)</td>
<td>(-99,795)</td>
<td>(-99,795)</td>
</tr>
<tr>
<td></td>
<td>TOTAL JOINT URGENT OPERATIONAL NEEDS FUND</td>
<td></td>
<td>99,795</td>
<td>99,795</td>
<td>99,795</td>
<td>99,795</td>
</tr>
<tr>
<td></td>
<td>NATIONAL GUARD AND RESERVE EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>007</td>
<td>UNDISTRIBUTED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Program increase</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNDISTRIBUTED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>UNDISTRIBUTED</td>
<td></td>
<td>1,870,644</td>
<td>1,870,644</td>
<td>1,870,644</td>
<td>1,870,644</td>
</tr>
<tr>
<td></td>
<td>ERI costs transfer from OCO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL UNDISTRIBUTED</td>
<td></td>
<td>1,870,644</td>
<td>1,870,644</td>
<td>1,870,644</td>
<td>1,870,644</td>
</tr>
<tr>
<td>Description</td>
<td>Amount</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>--------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL PROCUREMENT</td>
<td>116,406,908</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>72,920</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>139,305,689</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>39,027</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>143,318,432</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>33,613</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20,904,424</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>69,309</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>137,311,332</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

55,866

November 7, 2017 (1:25 p.m.)
## SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>-------</td>
<td>-------------------------------------------</td>
<td>------</td>
<td>-------</td>
<td>------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>AIRCRAFT PROCUREMENT, ARMY</td>
<td><strong>FIXED WING</strong></td>
<td>004</td>
<td>MQ-1 UAV</td>
<td>9</td>
<td>87,300</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Rotary</td>
<td>006</td>
<td>AH-64 Apache Block IIIA Reman</td>
<td>4</td>
<td>39,040</td>
<td>4</td>
</tr>
<tr>
<td>MODIFICATION OF AIRCRAFT</td>
<td>015</td>
<td>MQ-1 Payload (MP)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GROUND SUPPORT AVIONICS</td>
<td>033</td>
<td>CMWS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MISSILE PROCUREMENT, ARMY</td>
<td><strong>AIR-TO-SURFACE MISSILE SYSTEM</strong></td>
<td>005</td>
<td>Hellfire Sys Summary</td>
<td>2,927</td>
<td>278,073</td>
<td>2,927</td>
</tr>
<tr>
<td></td>
<td>Anti-Tank/Anti-Suicide Missile Sys</td>
<td>008</td>
<td>Javelin (NAMC) System Summary</td>
<td>47</td>
<td>8,112</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td><strong>MODIFICATIONS</strong></td>
<td>011</td>
<td>Guided MLRS Rocket (GMLRS)</td>
<td>1,542</td>
<td>191,522</td>
<td>1,542</td>
</tr>
<tr>
<td></td>
<td>Stinger Mods</td>
<td>018</td>
<td></td>
<td>28,000</td>
<td>28,000</td>
<td>28,000</td>
</tr>
<tr>
<td>TOTAL AIRCRAFT PROCUREMENT, ARMY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MISSILE PROCUREMENT, ARMY</td>
<td><strong>TRACKED COMBAT VEHICLES</strong></td>
<td>013</td>
<td>High Mobility Artillery Rocket System (HIMARS)</td>
<td>41,000</td>
<td>8,669</td>
<td>41,000</td>
</tr>
<tr>
<td></td>
<td>Lethal Miniature Aerial Missile System (LMAMS)</td>
<td>014</td>
<td></td>
<td>120</td>
<td>8,669</td>
<td>120</td>
</tr>
<tr>
<td>TOTAL MISSILE PROCUREMENT, ARMY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROCUREMENT OF W&amp;TCV, ARMY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Program Description</td>
<td>Procurement A</td>
<td>Procurement B</td>
<td>Procurement C</td>
<td>Procurement D</td>
<td>Procurement E</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------------------------</td>
<td>---------------</td>
<td>---------------</td>
<td>---------------</td>
<td>---------------</td>
<td>---------------</td>
</tr>
<tr>
<td>001</td>
<td>BRADLEY PROGRAM</td>
<td>60 200,000</td>
<td>60 200,000</td>
<td>60 200,000</td>
<td>60 200,000</td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>ARMORED MULTI PURPOSE VEHICLE (AMPV)</td>
<td>65 253,903</td>
<td>65 253,903</td>
<td>65 253,903</td>
<td>65 253,903</td>
<td></td>
</tr>
<tr>
<td>006</td>
<td>BRADLEY PROGRAM MOD</td>
<td>30,000</td>
<td>30,000</td>
<td>30,000</td>
<td>30,000</td>
<td></td>
</tr>
<tr>
<td>008</td>
<td>PALADIN INTEGRATED MANAGEMENT (PIM)</td>
<td>12 125,736</td>
<td>12 125,736</td>
<td>12 125,736</td>
<td>12 125,736</td>
<td></td>
</tr>
<tr>
<td>014</td>
<td>M1 ABRAMS TANK MOD</td>
<td>138,700</td>
<td>138,700</td>
<td>138,700</td>
<td>138,700</td>
<td></td>
</tr>
<tr>
<td>015</td>
<td>ABRAMS UPGRADE PROGRAM</td>
<td>36 442,800</td>
<td>36 442,800</td>
<td>36 442,800</td>
<td>36 442,800</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL PROCUREMENT OF W&amp;TCV, ARMY</td>
<td>173 1,191,139</td>
<td>173 1,191,139</td>
<td>173 1,191,139</td>
<td>173 1,191,139</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PROCUREMENT OF AMMUNITION, ARMY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>003</td>
<td>CTG, HANDGUN, ALL TYPES</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>004</td>
<td>CTG, 50 CAL, ALL TYPES</td>
<td>121</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>005</td>
<td>CTG, 20MM, ALL TYPES</td>
<td>1,605</td>
<td>1,605</td>
<td>1,605</td>
<td></td>
<td></td>
</tr>
<tr>
<td>007</td>
<td>CTG, 100MM, ALL TYPES</td>
<td>35,000</td>
<td>35,000</td>
<td>35,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>015</td>
<td>PROJ 155MM EXTENDED RANGE M982</td>
<td>266 23,234</td>
<td>266 23,234</td>
<td>266 23,234</td>
<td></td>
<td></td>
</tr>
<tr>
<td>016</td>
<td>ARTILLERY PROPELLANTS, FUZZES AND PRIMERS, ALL</td>
<td>20,023</td>
<td>20,023</td>
<td>20,023</td>
<td></td>
<td></td>
</tr>
<tr>
<td>017</td>
<td>MINES &amp; CLEARING CHARGES, ALL TYPES</td>
<td>11,615</td>
<td>11,615</td>
<td>11,615</td>
<td></td>
<td></td>
</tr>
<tr>
<td>019</td>
<td>SHOULDER LAUNCHED MUNITIONS, ALL TYPES</td>
<td>25,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>ROCKET, HPRB 70, ALL TYPES</td>
<td>75,820</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>024</td>
<td>SIGNALS, ALL TYPES</td>
<td>1,013</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL PROCUREMENT OF AMMUNITION, ARMY</td>
<td>266 193,436</td>
<td>266 193,436</td>
<td>266 193,436</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OTHER PROCUREMENT, ARMY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)</td>
<td>25,874</td>
<td>25,874</td>
<td>25,874</td>
<td></td>
<td></td>
</tr>
<tr>
<td>012</td>
<td>HY EXPANDED MOBILE TACTICAL TRUCK EXT SERV</td>
<td>38,628</td>
<td>38,628</td>
<td>38,628</td>
<td></td>
<td></td>
</tr>
<tr>
<td>014</td>
<td>MODIFICATION OF IN SVC EQIP</td>
<td>64,647</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>015</td>
<td>MINE-RESISTANT AMBUSH-PROTECTED (MRAP) MODS</td>
<td>17,508</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>SIGNAL MODERNIZATION PROGRAM</td>
<td>4,900</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>041</td>
<td>TRACTOR HIDE</td>
<td>1,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>062</td>
<td>INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM</td>
<td>2,500</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request Qty</td>
<td>FY 2018 Request Cost (in Thousands of Dollars)</td>
<td>House Authorized Qty</td>
<td>House Authorized Cost</td>
<td>Senate Authorized Qty</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>----------------------</td>
<td>-----------------------------------------------</td>
<td>----------------------</td>
<td>-----------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>068</td>
<td>DCGS-A (MIP) ..........................................................</td>
<td>39,515</td>
<td>39,515</td>
<td>39,515</td>
<td>39,515</td>
<td>39,515</td>
</tr>
<tr>
<td>070</td>
<td>TROJAN (MIP) ..........................................................</td>
<td>21,310</td>
<td>21,310</td>
<td>21,310</td>
<td>21,310</td>
<td>21,310</td>
</tr>
<tr>
<td>071</td>
<td>MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) .........................</td>
<td>2,300</td>
<td>2,300</td>
<td>2,300</td>
<td>2,300</td>
<td>2,300</td>
</tr>
<tr>
<td>072</td>
<td>CI HUMINT AUTO REPRTING AND COLL/CHARCS ....................</td>
<td>14,460</td>
<td>14,460</td>
<td>14,460</td>
<td>14,460</td>
<td>14,460</td>
</tr>
<tr>
<td>075</td>
<td>BIOMETRIC TACTICAL COLLECTION DEVICES (MIP) ..................</td>
<td>5,180</td>
<td>5,180</td>
<td>5,180</td>
<td>5,180</td>
<td>5,180</td>
</tr>
<tr>
<td></td>
<td>ELECT EQUIP—ELECTRONIC WARFARE (EW) .........................</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>FAMILY OF PERSISTENT SURVEILLANCE CAPABILITE .................</td>
<td>16,935</td>
<td>16,935</td>
<td>16,935</td>
<td>16,935</td>
<td>16,935</td>
</tr>
<tr>
<td>081</td>
<td>COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES ...............</td>
<td>18,874</td>
<td>18,874</td>
<td>18,874</td>
<td>18,874</td>
<td>18,874</td>
</tr>
<tr>
<td></td>
<td>ELECT EQUIP—TACTICAL SURV. (TAC SURV) .........................</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>084</td>
<td>NIGHT VISION DEVICES .................................................</td>
<td>377</td>
<td>377</td>
<td>377</td>
<td>377</td>
<td>377</td>
</tr>
<tr>
<td>085</td>
<td>SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF ...................</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>087</td>
<td>INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS ..................</td>
<td>57,500</td>
<td>57,500</td>
<td>57,500</td>
<td>57,500</td>
<td>57,500</td>
</tr>
<tr>
<td>093</td>
<td>MOD OF IN-SVC EQUIP (LLD) ...........................................</td>
<td>3,974</td>
<td>3,974</td>
<td>3,974</td>
<td>3,974</td>
<td>3,974</td>
</tr>
<tr>
<td>095</td>
<td>MORTAR FIRE CONTROL SYSTEM ........................................</td>
<td>2,947</td>
<td>2,947</td>
<td>2,947</td>
<td>2,947</td>
<td>2,947</td>
</tr>
<tr>
<td></td>
<td>ELECT EQUIP—TACTICAL C2 SYSTEMS ..................................</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>098</td>
<td>AIR &amp; MIL DEFENCE PLANNING &amp; CONTROL SYS .....................</td>
<td>9,100</td>
<td>9,100</td>
<td>9,100</td>
<td>9,100</td>
<td>9,100</td>
</tr>
<tr>
<td>119</td>
<td>BASE DEFENSE SYSTEMS (BDS) .........................................</td>
<td>3,726</td>
<td>3,726</td>
<td>3,726</td>
<td>3,726</td>
<td>3,726</td>
</tr>
<tr>
<td>136</td>
<td>HEATERS AND ECM .......................................................</td>
<td>270</td>
<td>270</td>
<td>270</td>
<td>270</td>
<td>270</td>
</tr>
<tr>
<td>142</td>
<td>FIELD FEEDING EQUIPMENT ............................................</td>
<td>145</td>
<td>145</td>
<td>145</td>
<td>145</td>
<td>145</td>
</tr>
<tr>
<td>143</td>
<td>CARGO AERIAL DEL &amp; PERSONNEL PARACHUTE SYSTEM ............</td>
<td>1,980</td>
<td>1,980</td>
<td>1,980</td>
<td>1,980</td>
<td>1,980</td>
</tr>
<tr>
<td>148</td>
<td>COMBAT SUPPORT MEDICAL ............................................</td>
<td>25,690</td>
<td>25,690</td>
<td>25,690</td>
<td>25,690</td>
<td>25,690</td>
</tr>
<tr>
<td></td>
<td>MAINTENANCE EQUIPMENT ..............................................</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>149</td>
<td>MOBILE MAINTENANCE EQUIPMENT SYSTEMS ..........................</td>
<td>1,124</td>
<td>1,124</td>
<td>1,124</td>
<td>1,124</td>
<td>1,124</td>
</tr>
<tr>
<td>153</td>
<td>CONSTRUCTION EQUIPMENT .............................................</td>
<td>3,850</td>
<td>3,850</td>
<td>3,850</td>
<td>3,850</td>
<td>3,850</td>
</tr>
<tr>
<td>157</td>
<td>HYDRAULIC EXCAVATOR ..............................................</td>
<td>1,932</td>
<td>1,932</td>
<td>1,932</td>
<td>1,932</td>
<td>1,932</td>
</tr>
<tr>
<td></td>
<td>GENERATORS .............................................................</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>164</td>
<td>GENERATORS AND ASSOCIATED EQUIP ...............................</td>
<td>569</td>
<td>569</td>
<td>569</td>
<td>569</td>
<td>569</td>
</tr>
<tr>
<td>168</td>
<td>TRAINING EQUIPMENT ................................................</td>
<td>2,700</td>
<td>2,700</td>
<td>2,700</td>
<td>2,700</td>
<td>2,700</td>
</tr>
<tr>
<td>Category</td>
<td>FY2023</td>
<td>FY2024</td>
<td>FY2025</td>
<td>FY2026</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TEST MEASURE AND DIG EQUIPMENT (TMD)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Integrated Family of Test Equipment (IFTE)</td>
<td>7,500</td>
<td>7,500</td>
<td>7,500</td>
<td>7,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OTHER SUPPORT EQUIPMENT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rapid Equipping Soldier Support Equipment</td>
<td>8,500</td>
<td>8,500</td>
<td>8,500</td>
<td>8,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL OTHER PROCUREMENT, ARMY</strong></td>
<td>405,575</td>
<td>405,575</td>
<td>405,575</td>
<td>405,575</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>JOINT IMPROVISED-THREAT DEFEAT FUND</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rapid Acquisition and Threat Response</td>
<td>483,058</td>
<td>483,058</td>
<td>483,058</td>
<td>483,058</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL JOINT IMPROVISED-THREAT DEFEAT FUND</strong></td>
<td>483,058</td>
<td>483,058</td>
<td>483,058</td>
<td>483,058</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AIRCRAFT PROCUREMENT, NAVY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OTHER AIRCRAFT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>StuG V27 UAV</td>
<td>3,900</td>
<td>3,900</td>
<td>3,900</td>
<td>3,900</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MODIFICATION OF AIRCRAFT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H-53 Series</td>
<td>950</td>
<td>950</td>
<td>950</td>
<td>950</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SH-60 Series</td>
<td>15,382</td>
<td>15,382</td>
<td>15,382</td>
<td>15,382</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EF-3 Series</td>
<td>7,220</td>
<td>7,220</td>
<td>7,220</td>
<td>7,220</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SPECIAL PROJECT AIRCRAFT</strong></td>
<td>19,855</td>
<td>19,855</td>
<td>19,855</td>
<td>19,855</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>COMMON ECM EQUIPMENT</strong></td>
<td>75,530</td>
<td>75,530</td>
<td>75,530</td>
<td>75,530</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>QRC</strong></td>
<td>15,150</td>
<td>15,150</td>
<td>15,150</td>
<td>15,150</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AIRCRAFT SPARES AND REPAIR PARTS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AIRCRAFT INDUSTRIAL FACILITIES</strong></td>
<td>463</td>
<td>463</td>
<td>463</td>
<td>463</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL AIRCRAFT PROCUREMENT, NAVY</strong></td>
<td>157,300</td>
<td>157,300</td>
<td>157,300</td>
<td>157,300</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WEAPONS PROCUREMENT, NAVY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>STRATEGIC MISSILES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tomahawk</td>
<td>66</td>
<td>100,086</td>
<td>100,086</td>
<td>100,086</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TACTICAL MISSILES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Missile</td>
<td>8</td>
<td>35,208</td>
<td>35,208</td>
<td>35,208</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hellfire</td>
<td>110</td>
<td>8,771</td>
<td>8,771</td>
<td>8,771</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laser Maverick</td>
<td>5,040</td>
<td>5,040</td>
<td>5,040</td>
<td>5,040</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MODIFICATION OF MISSILES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESM</td>
<td>1</td>
<td>1,768</td>
<td>1,768</td>
<td>1,768</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>GUNS AND GUN MOUNTS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small Arms and Weapons</td>
<td>1,500</td>
<td>1,500</td>
<td>1,500</td>
<td>1,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL WEAPONS PROCUREMENT, NAVY</strong></td>
<td>185</td>
<td>152,373</td>
<td>152,373</td>
<td>152,373</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line Item</th>
<th>FY 2018 Request Qty</th>
<th>House Authorized Qty</th>
<th>Senate Authorized Qty</th>
<th>Conference Authorized Qty</th>
<th>Conference Change Qty</th>
<th>Conference Authorized Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
</tr>
<tr>
<td><strong>NAVY AMMUNITION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>001 GENERAL PURPOSE BOMBS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>002 JDAM</td>
<td>4,717</td>
<td>106,941</td>
<td>4,717</td>
<td>106,941</td>
<td>4,717</td>
<td>106,941</td>
</tr>
<tr>
<td>003 AIRBORNE ROCKETS, ALL TYPES</td>
<td>1,184</td>
<td>1,184</td>
<td>1,184</td>
<td>1,184</td>
<td></td>
<td></td>
</tr>
<tr>
<td>007 AIR EXPENDABLE COUNTERMEASURES</td>
<td>15,700</td>
<td>15,700</td>
<td>15,700</td>
<td>15,700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>008 JATO</td>
<td>540</td>
<td>540</td>
<td>540</td>
<td>540</td>
<td></td>
<td></td>
</tr>
<tr>
<td>012 OTHER SHIP GUN AMMUNITION</td>
<td>19,689</td>
<td>19,689</td>
<td>19,689</td>
<td>19,689</td>
<td></td>
<td></td>
</tr>
<tr>
<td>013 SMALL ARMS &amp; LANDING PARTY AMMO</td>
<td>1,963</td>
<td>1,963</td>
<td>1,963</td>
<td>1,963</td>
<td></td>
<td></td>
</tr>
<tr>
<td>014 PYROTECHNIC AND DEMOLITION</td>
<td>765</td>
<td>765</td>
<td>765</td>
<td>765</td>
<td></td>
<td></td>
</tr>
<tr>
<td>016 AMMUNITION LESS THAN $5 MILLION</td>
<td>866</td>
<td>866</td>
<td>866</td>
<td>866</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MARINE CORPS AMMUNITION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>020 MORTARS</td>
<td>1,290</td>
<td>1,290</td>
<td>1,290</td>
<td>1,290</td>
<td></td>
<td></td>
</tr>
<tr>
<td>023 DIRECT SUPPORT MUNITIONS</td>
<td>1,355</td>
<td>1,355</td>
<td>1,355</td>
<td>1,355</td>
<td></td>
<td></td>
</tr>
<tr>
<td>024 INFANTRY WEAPONS AMMUNITION</td>
<td>1,854</td>
<td>1,854</td>
<td>1,854</td>
<td>1,854</td>
<td></td>
<td></td>
</tr>
<tr>
<td>033 ARTILLERY MUNITIONS</td>
<td>10,272</td>
<td>10,272</td>
<td>10,272</td>
<td>10,272</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC</strong></td>
<td>4,717</td>
<td>236,440</td>
<td>4,717</td>
<td>236,440</td>
<td>4,717</td>
<td>236,440</td>
</tr>
<tr>
<td><strong>OTHER PROCUREMENT, NAVY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>025 UNDERWATER EOD PROGRAMS</td>
<td>12,348</td>
<td>12,348</td>
<td>12,348</td>
<td>12,348</td>
<td></td>
<td></td>
</tr>
<tr>
<td>032 STANDARD BOATS</td>
<td>18,000</td>
<td>18,000</td>
<td>18,000</td>
<td>18,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>046 SSN ACOUSTIC EQUIPMENT</td>
<td>43,500</td>
<td>43,500</td>
<td>43,500</td>
<td>43,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>078 NAVAL MISSION PLANNING SYSTEMS</td>
<td>2,550</td>
<td>2,550</td>
<td>2,550</td>
<td>2,550</td>
<td></td>
<td></td>
</tr>
<tr>
<td>080 TACTICAL/MOBILE C4I SYSTEMS</td>
<td>7,900</td>
<td>7,900</td>
<td>7,900</td>
<td>7,900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>081 DCS-N</td>
<td>6,992</td>
<td>6,992</td>
<td>6,992</td>
<td>6,992</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CRYPTOGRAPHIC EQUIPMENT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 NRO INTEL EXPLOITATION TEAM</td>
<td>3,100</td>
<td>3,100</td>
<td>3,100</td>
<td>3,100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item Number</td>
<td>Description</td>
<td>FY 20/21</td>
<td>FY 21/22</td>
<td>FY 22/23</td>
<td>FY 23/24</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------------------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>101</td>
<td>Cryptologic Communications Equip</td>
<td>2,280</td>
<td>2,280</td>
<td>2,280</td>
<td>2,280</td>
<td></td>
</tr>
<tr>
<td>119</td>
<td>Aircraft Support Equipment</td>
<td>29,245</td>
<td>29,245</td>
<td>29,245</td>
<td>29,245</td>
<td></td>
</tr>
<tr>
<td>121</td>
<td>Aviation Support Equipment</td>
<td>2,436</td>
<td>2,436</td>
<td>2,436</td>
<td>2,436</td>
<td></td>
</tr>
<tr>
<td>125</td>
<td>Ship Missile Support Equipment</td>
<td>28,400</td>
<td>28,400</td>
<td>28,400</td>
<td>28,400</td>
<td></td>
</tr>
<tr>
<td>126</td>
<td>ASW Support Equipment</td>
<td>31,970</td>
<td>31,970</td>
<td>31,970</td>
<td>31,970</td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>Civil Engineering Support Equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>134</td>
<td>General Purpose Trucks</td>
<td>496</td>
<td>496</td>
<td>496</td>
<td>496</td>
<td></td>
</tr>
<tr>
<td>135</td>
<td>Fire Fighting Equipment</td>
<td>2,336</td>
<td>2,336</td>
<td>2,336</td>
<td>2,336</td>
<td></td>
</tr>
<tr>
<td>141</td>
<td>Supply Support Equipment</td>
<td>164</td>
<td>164</td>
<td>164</td>
<td>164</td>
<td></td>
</tr>
<tr>
<td>143</td>
<td>First Destination Transportation</td>
<td>420</td>
<td>420</td>
<td>420</td>
<td>420</td>
<td></td>
</tr>
<tr>
<td>147</td>
<td>Command Support Equipment</td>
<td>21,650</td>
<td>21,650</td>
<td>21,650</td>
<td>21,650</td>
<td></td>
</tr>
<tr>
<td>154</td>
<td>Environmental Support Equipment</td>
<td>1,000</td>
<td>1,000</td>
<td>1,000</td>
<td>1,000</td>
<td></td>
</tr>
<tr>
<td>155</td>
<td>Physical Security Equipment</td>
<td>15,890</td>
<td>15,890</td>
<td>15,890</td>
<td>15,890</td>
<td></td>
</tr>
<tr>
<td>161A</td>
<td>Classified Programs</td>
<td>2,200</td>
<td>2,200</td>
<td>2,200</td>
<td>2,200</td>
<td></td>
</tr>
<tr>
<td>161</td>
<td>Spares and Repair Parts</td>
<td>1,178</td>
<td>1,178</td>
<td>1,178</td>
<td>1,178</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Other Procurement, Navy</td>
<td>251,559</td>
<td>251,559</td>
<td>251,559</td>
<td>251,559</td>
<td></td>
</tr>
</tbody>
</table>

**Procurement, Marine Corps**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
<th>FY 20/21</th>
<th>FY 21/22</th>
<th>FY 22/23</th>
<th>FY 23/24</th>
</tr>
</thead>
<tbody>
<tr>
<td>006</td>
<td>Artillery and Other Weapons</td>
<td>5,360</td>
<td>5,360</td>
<td>5,360</td>
<td>5,360</td>
</tr>
<tr>
<td>011</td>
<td>Guided Missiles</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>012</td>
<td>Javelin</td>
<td>2,833</td>
<td>2,833</td>
<td>2,833</td>
<td>2,833</td>
</tr>
<tr>
<td>013</td>
<td>Follow On to SMAW</td>
<td>49</td>
<td>49</td>
<td>49</td>
<td>49</td>
</tr>
<tr>
<td>017</td>
<td>Anti-Armor Weapons System-Heavy (AAMS-H)</td>
<td>5,024</td>
<td>5,024</td>
<td>5,024</td>
<td>5,024</td>
</tr>
<tr>
<td>019</td>
<td>Repair and Test Equipment</td>
<td>8,241</td>
<td>8,241</td>
<td>8,241</td>
<td>8,241</td>
</tr>
<tr>
<td>020</td>
<td>Other Support (TEL)</td>
<td>750</td>
<td>750</td>
<td>750</td>
<td>750</td>
</tr>
<tr>
<td>020</td>
<td>MODIFICATION WTS (COMM &amp; ELEC)</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>----------------</td>
<td>------------------</td>
<td>------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
</tr>
<tr>
<td>024</td>
<td>RADAR + EQUIPMENT (NON-TEL)</td>
<td>8,400</td>
<td>8,400</td>
<td>8,400</td>
<td>8,400</td>
</tr>
<tr>
<td>026</td>
<td>INTELL/COMM EQUIPMENT (NON-TEL)</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>027</td>
<td>INTELLIGENCE SUPPORT EQUIPMENT</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>037</td>
<td>OTHER SUPPORT (NON-TEL)</td>
<td>5,777</td>
<td>5,777</td>
<td>5,777</td>
<td>5,777</td>
</tr>
<tr>
<td>038</td>
<td>OTHER SUPPORT (NON-TEL)</td>
<td>4,590</td>
<td>4,590</td>
<td>4,590</td>
<td>4,590</td>
</tr>
<tr>
<td>053</td>
<td>OTHER SUPPORT (NON-TEL)</td>
<td>21,000</td>
<td>21,000</td>
<td>21,000</td>
<td>21,000</td>
</tr>
<tr>
<td></td>
<td>TOTAL PROCUREMENT, MARINE CORPS</td>
<td>11</td>
<td>65,274</td>
<td>11</td>
<td>65,274</td>
</tr>
<tr>
<td>017</td>
<td>AIRCRAFT PROCUREMENT, AIR FORCE</td>
<td>16</td>
<td>271,080</td>
<td>16</td>
<td>271,080</td>
</tr>
<tr>
<td>033</td>
<td>AIRCRAFT PROCUREMENT, AIR FORCE</td>
<td>26,850</td>
<td>26,850</td>
<td>26,850</td>
<td>26,850</td>
</tr>
<tr>
<td>048</td>
<td>OTHER AIRCRAFT</td>
<td>8,400</td>
<td>8,400</td>
<td>8,400</td>
<td>8,400</td>
</tr>
<tr>
<td>051</td>
<td>COMPASS CALL MODS</td>
<td>56,720</td>
<td>56,720</td>
<td>56,720</td>
<td>56,720</td>
</tr>
<tr>
<td>056</td>
<td>E-8</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>062</td>
<td>HC/MC-130 MODIFICATIONS</td>
<td>153,080</td>
<td>153,080</td>
<td>153,080</td>
<td>153,080</td>
</tr>
<tr>
<td>063</td>
<td>OTHER AIRCRAFT</td>
<td>10,381</td>
<td>10,381</td>
<td>10,381</td>
<td>10,381</td>
</tr>
<tr>
<td>065</td>
<td>MQ-9 MODS</td>
<td>56,400</td>
<td>56,400</td>
<td>56,400</td>
<td>56,400</td>
</tr>
<tr>
<td>067</td>
<td>AIRCRAFT SPARES AND REPAIR PARTS</td>
<td>129,450</td>
<td>129,450</td>
<td>129,450</td>
<td>129,450</td>
</tr>
<tr>
<td>068</td>
<td>AIRCRAFT SPARES AND REPAIR PARTS</td>
<td>25,417</td>
<td>25,417</td>
<td>25,417</td>
<td>25,417</td>
</tr>
<tr>
<td></td>
<td>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</td>
<td>16</td>
<td>740,778</td>
<td>16</td>
<td>740,778</td>
</tr>
<tr>
<td>Item Description</td>
<td>Quantity</td>
<td>Quantity</td>
<td>Quantity</td>
<td>Quantity</td>
<td>Quantity</td>
</tr>
<tr>
<td>-------------------------------------------------------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td>SMALL DIAMETER BOMB</td>
<td>2,273</td>
<td>90,920</td>
<td>2,273</td>
<td>90,920</td>
<td>2,273</td>
</tr>
<tr>
<td>CLASS IV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGM-65D MAVERICK</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
<td></td>
</tr>
<tr>
<td>Total Missile Procurement, Air Force</td>
<td>5,503</td>
<td>395,400</td>
<td>5,503</td>
<td>395,400</td>
<td>5,503</td>
</tr>
<tr>
<td>Space Procurement, Air Force</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MILSATCOM</td>
<td>2,256</td>
<td>2,256</td>
<td>2,256</td>
<td>2,256</td>
<td></td>
</tr>
<tr>
<td>Total Space Procurement, Air Force</td>
<td>2,256</td>
<td>2,256</td>
<td>2,256</td>
<td>2,256</td>
<td></td>
</tr>
<tr>
<td>Procurement of Ammunition, Air Force</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROCKETS</td>
<td>49,050</td>
<td>49,050</td>
<td>49,050</td>
<td>49,050</td>
<td></td>
</tr>
<tr>
<td>CARTRIDGES</td>
<td>11,384</td>
<td>11,384</td>
<td>11,384</td>
<td>11,384</td>
<td></td>
</tr>
<tr>
<td>BOMBS</td>
<td>16,990</td>
<td>390,577</td>
<td>16,990</td>
<td>390,577</td>
<td>16,990</td>
</tr>
<tr>
<td>FLARES</td>
<td>3,498</td>
<td>3,498</td>
<td>3,498</td>
<td>3,498</td>
<td></td>
</tr>
<tr>
<td>FUZES</td>
<td>47,000</td>
<td>47,000</td>
<td>47,000</td>
<td>47,000</td>
<td></td>
</tr>
<tr>
<td>Total Procurement of Ammunition, Air Force</td>
<td>16,990</td>
<td>501,509</td>
<td>16,990</td>
<td>501,509</td>
<td>16,990</td>
</tr>
<tr>
<td>Other Procurement, Air Force</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PASSENGER CARRYING VEHICLES</td>
<td>3,855</td>
<td>3,855</td>
<td>3,855</td>
<td>3,855</td>
<td></td>
</tr>
<tr>
<td>CARGO AND UTILITY VEHICLES</td>
<td>1,882</td>
<td>1,882</td>
<td>1,882</td>
<td>1,882</td>
<td></td>
</tr>
<tr>
<td>SPECIAL PURPOSE VEHICLES</td>
<td>3,100</td>
<td>3,100</td>
<td>3,100</td>
<td>3,100</td>
<td></td>
</tr>
<tr>
<td>SECURITY AND TACTICAL VEHICLES</td>
<td>32,479</td>
<td>32,479</td>
<td>32,479</td>
<td>32,479</td>
<td></td>
</tr>
<tr>
<td>FIRE FIGHTING EQUIPMENT</td>
<td>22,583</td>
<td>22,583</td>
<td>22,583</td>
<td>22,583</td>
<td></td>
</tr>
<tr>
<td>MATERIALS HANDLING EQUIPMENT</td>
<td>5,353</td>
<td>5,353</td>
<td>5,353</td>
<td>5,353</td>
<td></td>
</tr>
<tr>
<td>BASE MAINTENANCE SUPPORT</td>
<td>11,315</td>
<td>11,315</td>
<td>11,315</td>
<td>11,315</td>
<td></td>
</tr>
<tr>
<td>RUNWAY SNOW REMOVAL &amp; CLEANING EQUIP</td>
<td>40,451</td>
<td>40,451</td>
<td>40,451</td>
<td>40,451</td>
<td></td>
</tr>
<tr>
<td>INTERNATIONAL INTEL TECH &amp; ARCHITECTURES</td>
<td>8,873</td>
<td>8,873</td>
<td>8,873</td>
<td>8,873</td>
<td></td>
</tr>
</tbody>
</table>
## SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>015</td>
<td>INTELLIGENCE COMM EQUIPMENT</td>
<td>2,000</td>
<td>2,000</td>
<td>2,000</td>
<td>2,000</td>
<td></td>
</tr>
<tr>
<td>016</td>
<td>AIR TRAFFIC CONTROL &amp; LANDING SYS</td>
<td>56,500</td>
<td>56,500</td>
<td>56,500</td>
<td>56,500</td>
<td></td>
</tr>
<tr>
<td>019</td>
<td>THEATER AIR CONTROL SYS IMPROVEMENTS</td>
<td>4,970</td>
<td>4,970</td>
<td>4,970</td>
<td>4,970</td>
<td></td>
</tr>
<tr>
<td>029</td>
<td>AIR FORCE PHYSICAL SECURITY SYSTEM</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td></td>
</tr>
<tr>
<td>048</td>
<td>BASE COMM INFRASTRUCTURE</td>
<td>55,000</td>
<td>55,000</td>
<td>55,000</td>
<td>55,000</td>
<td></td>
</tr>
<tr>
<td>051</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>8,469</td>
<td>8,469</td>
<td>8,469</td>
<td>8,469</td>
<td></td>
</tr>
<tr>
<td>053</td>
<td>BASE PROCUREMENT</td>
<td>7,500</td>
<td>7,500</td>
<td>7,500</td>
<td>7,500</td>
<td></td>
</tr>
<tr>
<td>054</td>
<td>ENGINEERING AND E.O. EQUIPMENT</td>
<td>80,427</td>
<td>80,427</td>
<td>80,427</td>
<td>80,427</td>
<td></td>
</tr>
<tr>
<td>056</td>
<td>ITEMS LESS THAN $5 MILLION</td>
<td>110,405</td>
<td>110,405</td>
<td>110,405</td>
<td>110,405</td>
<td></td>
</tr>
<tr>
<td>058</td>
<td>DARP RCI35</td>
<td>700</td>
<td>700</td>
<td>700</td>
<td>700</td>
<td></td>
</tr>
<tr>
<td>059</td>
<td>DOD AF</td>
<td>9,200</td>
<td>9,200</td>
<td>9,200</td>
<td>9,200</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL OTHER PROCUREMENT, AIR FORCE</td>
<td>4,008,887</td>
<td>4,008,887</td>
<td>4,008,887</td>
<td>4,008,887</td>
<td></td>
</tr>
</tbody>
</table>

**PROCUREMENT, DEFENSE-WIDE**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
<td>Cost</td>
<td>Qty</td>
</tr>
<tr>
<td>008</td>
<td>TELEPORT PROGRAM</td>
<td>1,979</td>
<td>1,979</td>
<td>1,979</td>
<td>1,979</td>
<td></td>
</tr>
<tr>
<td>018</td>
<td>DEFENSE INFORMATION SYSTEMS NETWORK</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td></td>
</tr>
<tr>
<td>034</td>
<td>DEFENSE INFORMATION SYSTEMS</td>
<td>50,000</td>
<td>50,000</td>
<td>50,000</td>
<td>50,000</td>
<td></td>
</tr>
<tr>
<td>045A</td>
<td>CLASSIFIED PROGRAMS</td>
<td>43,653</td>
<td>43,653</td>
<td>43,653</td>
<td>43,653</td>
<td></td>
</tr>
<tr>
<td>046</td>
<td>AVIATION PROGRAMS</td>
<td>15,900</td>
<td>15,900</td>
<td>15,900</td>
<td>15,900</td>
<td></td>
</tr>
<tr>
<td>047</td>
<td>WC-12</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>--------------------------------------------------</td>
<td>------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
</tr>
<tr>
<td>050</td>
<td>UNMANNED ISR</td>
<td>38,933</td>
<td>38,933</td>
<td>38,933</td>
<td>38,933</td>
<td></td>
</tr>
<tr>
<td>051</td>
<td>NON-STANDARD AVIATION</td>
<td>9,600</td>
<td>9,600</td>
<td>9,600</td>
<td>9,600</td>
<td></td>
</tr>
<tr>
<td>052</td>
<td>U-28</td>
<td>8,100</td>
<td>8,100</td>
<td>8,100</td>
<td>14,800</td>
<td>22,900</td>
</tr>
<tr>
<td>053</td>
<td>MH-47 CHINOOK</td>
<td>10,270</td>
<td>10,270</td>
<td>10,270</td>
<td>10,270</td>
<td></td>
</tr>
<tr>
<td>057</td>
<td>MQ-9 UNMANNED AERIAL VEHICLE</td>
<td>19,780</td>
<td>19,780</td>
<td>19,780</td>
<td>19,780</td>
<td></td>
</tr>
<tr>
<td>061</td>
<td>C-130 MODIFICATIONS</td>
<td>3,750</td>
<td>3,750</td>
<td>3,750</td>
<td>3,750</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AMMUNITION PROGRAMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063</td>
<td>ORDNANCE ITEMS &lt;$5M</td>
<td>62,643</td>
<td>62,643</td>
<td>62,643</td>
<td>62,643</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OTHER PROCUREMENT PROGRAMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>064</td>
<td>INTELLIGENCE SYSTEMS</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td></td>
</tr>
<tr>
<td>069</td>
<td>TACTICAL VEHICLES</td>
<td>38,527</td>
<td>38,527</td>
<td>38,527</td>
<td>38,527</td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>WARRIOR SYSTEMS &lt;$5M</td>
<td>20,215</td>
<td>20,215</td>
<td>20,215</td>
<td>20,215</td>
<td></td>
</tr>
<tr>
<td>073</td>
<td>OPERATIONAL ENHANCEMENTS INTELLIGENCE</td>
<td>7,134</td>
<td>7,134</td>
<td>7,134</td>
<td>7,134</td>
<td></td>
</tr>
<tr>
<td>075</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>193,542</td>
<td>211,567</td>
<td>209,442</td>
<td>209,442</td>
<td></td>
</tr>
</tbody>
</table>

Unfunded requirement - Joint Task Force Platform Expansion

Unfunded requirement - Publicly Available Information (PAI)

Capability Acceleration.

TOTAL PROCUREMENT, DEFENSE WIDE .......................... 518,026 585,551 533,926 30,700 548,726

NATIONAL GUARD AND RESERVE EQUIPMENT

UNDISTRIBUTED

007  | UNDISTRIBUTED                                     | 500,000 |

Program increase ........................................ (500,000)

TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT .......... 500,000

UNDISTRIBUTED

010  | UNDISTRIBUTED                                     | 1,870,644 | 1,870,600 |

ERI costs transfer from OCO to base .................. (1,870,644) (1,870,600)

TOTAL UNDISTRIBUTED                               | 1,870,644 | 1,870,600 |

TOTAL PROCUREMENT ........................................ 32,559 10,286,979 32,559 8,983,860 32,559 8,432,279 30,700 32,559 10,317,679
### Title XLII—Research, Development, Test, and Evaluation

#### Sec. 4201. Research, Development, Test, and Evaluation

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item Description</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>0601101A</td>
<td>In-House Laboratory Independent Research</td>
<td>12,010</td>
<td>12,010</td>
<td>12,010</td>
<td></td>
<td>12,010</td>
</tr>
<tr>
<td>002</td>
<td>0601102A</td>
<td>Defense Research Sciences</td>
<td>263,590</td>
<td>263,590</td>
<td>273,590</td>
<td></td>
<td>263,590</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Basic research program increase</td>
<td>(10,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>003</td>
<td>0601103A</td>
<td>University Research Initiatives</td>
<td>67,027</td>
<td>67,027</td>
<td>67,027</td>
<td></td>
<td>67,027</td>
</tr>
<tr>
<td>004</td>
<td>0601104A</td>
<td>University and Industry Research Centers</td>
<td>87,395</td>
<td>87,395</td>
<td>92,395</td>
<td>5,000</td>
<td>92,395</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Basic research program increase</td>
<td>(5,000)</td>
<td></td>
<td></td>
<td>(5,000)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Subtotal Basic Research</strong></td>
<td><strong>430,022</strong></td>
<td><strong>430,022</strong></td>
<td><strong>445,022</strong></td>
<td><strong>5,000</strong></td>
<td><strong>435,022</strong></td>
</tr>
<tr>
<td>005</td>
<td>0602105A</td>
<td>Materials Technology</td>
<td>29,640</td>
<td>29,640</td>
<td>39,640</td>
<td></td>
<td>29,640</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Strategic materials</td>
<td>(10,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>006</td>
<td>0602120A</td>
<td>Sensors and Electronic Survivability</td>
<td>35,730</td>
<td>35,730</td>
<td>35,730</td>
<td></td>
<td>35,730</td>
</tr>
<tr>
<td>007</td>
<td>0602122A</td>
<td>Tractor Hip</td>
<td>8,627</td>
<td>8,627</td>
<td>8,627</td>
<td></td>
<td>8,627</td>
</tr>
<tr>
<td>008</td>
<td>0602211A</td>
<td>Aviation Technology</td>
<td>66,086</td>
<td>66,086</td>
<td>61,086</td>
<td></td>
<td>66,086</td>
</tr>
<tr>
<td></td>
<td></td>
<td>General program reduction</td>
<td>(5,000)</td>
<td></td>
<td></td>
<td>(5,000)</td>
<td></td>
</tr>
<tr>
<td>009</td>
<td>0602270A</td>
<td>Electronic Warfare Technology</td>
<td>27,144</td>
<td>27,144</td>
<td>27,144</td>
<td></td>
<td>27,144</td>
</tr>
<tr>
<td>010</td>
<td>0602303A</td>
<td>Missile Technology</td>
<td>43,742</td>
<td>43,742</td>
<td>43,742</td>
<td></td>
<td>43,742</td>
</tr>
<tr>
<td>011 0602307A</td>
<td>ADVANCED WEAPONS TECHNOLOGY</td>
<td>22,785</td>
<td>22,785</td>
<td>22,785</td>
<td>22,785</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>012 0602308A</td>
<td>ADVANCED CONCEPTS AND SIMULATION</td>
<td>28,650</td>
<td>28,650</td>
<td>28,650</td>
<td>28,650</td>
<td></td>
<td></td>
</tr>
<tr>
<td>014 0602618A</td>
<td>BALLISTICS TECHNOLOGY</td>
<td>85,309</td>
<td>85,309</td>
<td>85,309</td>
<td>85,309</td>
<td></td>
<td></td>
</tr>
<tr>
<td>015 0602622A</td>
<td>CHEMICAL, SMOKE AND EQUIPMENT DEFATING TECHNOLOGY</td>
<td>4,004</td>
<td>4,004</td>
<td>4,004</td>
<td>4,004</td>
<td></td>
<td></td>
</tr>
<tr>
<td>016 0602623A</td>
<td>JOINT SERVICE SMALL ARMS PROGRAM</td>
<td>5,615</td>
<td>5,615</td>
<td>5,615</td>
<td>5,615</td>
<td></td>
<td></td>
</tr>
<tr>
<td>017 0602624A</td>
<td>WEAPONS AND MUNITIONS TECHNOLOGY</td>
<td>41,455</td>
<td>41,455</td>
<td>41,455</td>
<td>41,455</td>
<td></td>
<td></td>
</tr>
<tr>
<td>018 0602705A</td>
<td>ELECTRONICS AND ELECTRONIC DEVICES</td>
<td>58,352</td>
<td>60,352</td>
<td>58,352</td>
<td>60,352</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program increase</td>
<td></td>
<td></td>
<td></td>
<td>(2,000)</td>
<td>(2,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>019 0602709A</td>
<td>NIGHT VISION TECHNOLOGY</td>
<td>34,723</td>
<td>34,723</td>
<td>34,723</td>
<td>34,723</td>
<td></td>
<td></td>
</tr>
<tr>
<td>020 0602712A</td>
<td>COUNTERMINE SYSTEMS</td>
<td>26,190</td>
<td>26,190</td>
<td>26,190</td>
<td>26,190</td>
<td></td>
<td></td>
</tr>
<tr>
<td>021 0602716A</td>
<td>HUMAN FACTORS ENGINEERING TECHNOLOGY</td>
<td>24,127</td>
<td>24,127</td>
<td>24,127</td>
<td>24,127</td>
<td></td>
<td></td>
</tr>
<tr>
<td>022 0602720A</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY</td>
<td>21,678</td>
<td>21,678</td>
<td>21,678</td>
<td>21,678</td>
<td></td>
<td></td>
</tr>
<tr>
<td>023 0602728A</td>
<td>COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY</td>
<td>33,123</td>
<td>33,123</td>
<td>38,123</td>
<td>33,123</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Position, navigation, and timing technologies</td>
<td></td>
<td></td>
<td></td>
<td>(5,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>024 0602783A</td>
<td>COMPUTER AND SOFTWARE TECHNOLOGY</td>
<td>14,041</td>
<td>14,041</td>
<td>14,041</td>
<td>14,041</td>
<td></td>
<td></td>
</tr>
<tr>
<td>025 0602784A</td>
<td>MILITARY ENGINEERING TECHNOLOGY</td>
<td>67,720</td>
<td>67,720</td>
<td>67,720</td>
<td>67,720</td>
<td></td>
<td></td>
</tr>
<tr>
<td>026 0602785A</td>
<td>MANPOWER/PERSOENNEL/TRAINING TECHNOLOGY</td>
<td>20,216</td>
<td>20,216</td>
<td>20,216</td>
<td>20,216</td>
<td></td>
<td></td>
</tr>
<tr>
<td>027 0602786A</td>
<td>WARFIGHTER TECHNOLOGY</td>
<td>39,559</td>
<td>44,559</td>
<td>39,559</td>
<td>44,559</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program increase</td>
<td></td>
<td></td>
<td></td>
<td>(5,000)</td>
<td>(5,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>028 0602787A</td>
<td>MEDICAL TECHNOLOGY</td>
<td>83,434</td>
<td>83,434</td>
<td>83,434</td>
<td>83,434</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUBTOTAL APPLIED RESEARCH**

| | 889,182 | 896,182 | 899,182 | 7,000 | 896,182 |

**ADVANCED TECHNOLOGY DEVELOPMENT**

| 029 0603001A | WARFIGHTER ADVANCED TECHNOLOGY | 44,863 | 44,863 | 44,863 | 44,863 |
| 030 0603002A | MEDICAL ADVANCED TECHNOLOGY | 67,780 | 67,780 | 67,780 | 67,780 |
| 031 0603003A | AVIATION ADVANCED TECHNOLOGY | 160,746 | 160,746 | 140,746 | 160,746 |
| Platform design & structure systems | | | | (20,000) |
| 032 0603004A | WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY | 84,079 | 84,079 | 84,079 | 84,079 |
| 033 0603005A | COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY | 125,537 | 125,537 | 125,537 | 125,537 |
| 034 0603006A | SPACE APPLICATION ADVANCED TECHNOLOGY | 12,231 | 12,231 | 12,231 | 12,231 |
| 035 0603007A | MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY | 6,466 | 6,466 | 6,466 | 6,466 |
# SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>036</td>
<td>0603009A</td>
<td>TRACTOR HIKE ..........................................................</td>
<td>40,552</td>
<td>40,552</td>
<td>40,552</td>
<td>40,552</td>
<td></td>
</tr>
<tr>
<td>037</td>
<td>0603015A</td>
<td>NEXT GENERATION TRAINING &amp; SIMULATION SYSTEMS ................</td>
<td>16,434</td>
<td>16,434</td>
<td>16,434</td>
<td>16,434</td>
<td></td>
</tr>
<tr>
<td>039</td>
<td>0603125A</td>
<td>COMBATING TERRORISM—TECHNOLOGY DEVELOPMENT ....................</td>
<td>26,903</td>
<td>26,903</td>
<td>26,903</td>
<td>26,903</td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>0603130A</td>
<td>TRACTOR NAILE ..................................................................</td>
<td>4,880</td>
<td>4,880</td>
<td>4,880</td>
<td>4,880</td>
<td></td>
</tr>
<tr>
<td>041</td>
<td>0603131A</td>
<td>TRACTOR EGGS ....................................................................</td>
<td>4,326</td>
<td>4,326</td>
<td>4,326</td>
<td>4,326</td>
<td></td>
</tr>
<tr>
<td>042</td>
<td>0603270A</td>
<td>ELECTRONIC WARFARE TECHNOLOGY .......................................</td>
<td>31,296</td>
<td>34,296</td>
<td>31,296</td>
<td>31,296</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Multi-Domain Battle Exercise Capability ..........................</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>043</td>
<td>0603313A</td>
<td>MISSILE AND ROCKET ADVANCED TECHNOLOGY ...........................</td>
<td>62,850</td>
<td>72,850</td>
<td>62,850</td>
<td>2,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Simulation upgrades for land based anti-ship missile development</td>
<td></td>
<td></td>
<td></td>
<td>64,850</td>
<td></td>
</tr>
<tr>
<td>044</td>
<td>0603322A</td>
<td>TRACTOR CAGE ....................................................................</td>
<td>12,323</td>
<td>12,323</td>
<td>12,323</td>
<td>12,323</td>
<td></td>
</tr>
<tr>
<td>045</td>
<td>0603461A</td>
<td>HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM ..............</td>
<td>182,331</td>
<td>182,331</td>
<td>222,331</td>
<td>182,331</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Program increase ..........................................................</td>
<td></td>
<td></td>
<td></td>
<td>(40,000)</td>
<td></td>
</tr>
<tr>
<td>046</td>
<td>0603606A</td>
<td>LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY ...............</td>
<td>17,948</td>
<td>17,948</td>
<td>17,948</td>
<td>17,948</td>
<td></td>
</tr>
<tr>
<td>047</td>
<td>0603607A</td>
<td>JOINT SERVICE SMALL ARMS PROGRAM ....................................</td>
<td>5,796</td>
<td>5,796</td>
<td>5,796</td>
<td>5,796</td>
<td></td>
</tr>
<tr>
<td>048</td>
<td>0603710A</td>
<td>NIGHT VISION ADVANCED TECHNOLOGY ....................................</td>
<td>47,135</td>
<td>47,135</td>
<td>47,135</td>
<td>47,135</td>
<td></td>
</tr>
<tr>
<td>049</td>
<td>0603728A</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS ................</td>
<td>10,421</td>
<td>10,421</td>
<td>10,421</td>
<td>10,421</td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>0603744A</td>
<td>MILITARY ENGINEERING ADVANCED TECHNOLOGY .......................</td>
<td>32,448</td>
<td>32,448</td>
<td>27,448</td>
<td>27,448</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Combat engineering system .............................................</td>
<td></td>
<td></td>
<td></td>
<td>(5,000)</td>
<td></td>
</tr>
<tr>
<td>051</td>
<td>0603772A</td>
<td>ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY ....</td>
<td>52,206</td>
<td>52,206</td>
<td>52,206</td>
<td>52,206</td>
<td></td>
</tr>
<tr>
<td>052</td>
<td>0603794A</td>
<td>C3 ADVANCED TECHNOLOGY ................................................</td>
<td>33,426</td>
<td>33,426</td>
<td>33,426</td>
<td>33,426</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT .......................</td>
<td>1,082,977</td>
<td>1,095,977</td>
<td>1,097,977</td>
<td>1,079,977</td>
<td></td>
</tr>
</tbody>
</table>

**ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>053</td>
<td>0603305A</td>
<td>ARMY MISSILE DEFENSE SYSTEMS INTEGRATION .......................</td>
<td>9,634</td>
<td>9,634</td>
<td>9,634</td>
<td>9,634</td>
<td></td>
</tr>
<tr>
<td>055</td>
<td>0603327A</td>
<td>AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING ....................</td>
<td>42,649</td>
<td>42,649</td>
<td>42,649</td>
<td>42,649</td>
<td></td>
</tr>
<tr>
<td>056</td>
<td>0603619A</td>
<td>LANDMINE WARFARE AND BARRIER—ADV DEV ..................................</td>
<td>72,909</td>
<td>72,909</td>
<td>72,909</td>
<td>72,909</td>
<td></td>
</tr>
<tr>
<td>057</td>
<td>0603627A</td>
<td>SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV ............</td>
<td>7,135</td>
<td>7,135</td>
<td>7,135</td>
<td>7,135</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
<td>Total</td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>058</td>
<td>TANK AND MEDIUM CALIBER AMMUNITION</td>
<td>41,452</td>
<td>47,902</td>
<td>65,902</td>
<td>30,900</td>
<td>72,352</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Munitions and CM development</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—JLTV lethality 30mm upgrade</td>
<td>(4,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—RF countermeasures</td>
<td>(2,450)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>059</td>
<td>ARMORED SYSTEM MODERNIZATION—ADV DEV</td>
<td>32,739</td>
<td>54,739</td>
<td>102,739</td>
<td>50,000</td>
<td>82,739</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Enhanced lightweight body armor and combat helmets technology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>SOLDIER SUPPORT AND SURVIVABILITY</td>
<td>10,157</td>
<td>10,157</td>
<td>10,157</td>
<td>10,157</td>
<td>10,157</td>
<td></td>
</tr>
<tr>
<td>061</td>
<td>TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV</td>
<td>27,733</td>
<td>29,353</td>
<td>29,353</td>
<td>1,620</td>
<td>29,353</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Funds of the Advanced Miniaturized Data Acquisition System-Next.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>062</td>
<td>NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT</td>
<td>12,347</td>
<td>12,347</td>
<td>12,347</td>
<td>12,347</td>
<td>12,347</td>
<td></td>
</tr>
<tr>
<td>063</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL</td>
<td>10,456</td>
<td>10,456</td>
<td>10,456</td>
<td>10,456</td>
<td>10,456</td>
<td></td>
</tr>
<tr>
<td>064</td>
<td>NATO RESEARCH AND DEVELOPMENT</td>
<td>2,588</td>
<td>2,588</td>
<td>2,588</td>
<td>2,588</td>
<td>2,588</td>
<td></td>
</tr>
<tr>
<td>065</td>
<td>AVIATION—ADV DEV</td>
<td>14,055</td>
<td>14,055</td>
<td>14,055</td>
<td>14,055</td>
<td>14,055</td>
<td></td>
</tr>
<tr>
<td>067</td>
<td>MEDICAL SYSTEMS—ADV DEV</td>
<td>33,491</td>
<td>33,491</td>
<td>33,491</td>
<td>33,491</td>
<td>33,491</td>
<td></td>
</tr>
<tr>
<td>068</td>
<td>SOLDIER SYSTEMS—ADVANCED DEVELOPMENT</td>
<td>20,239</td>
<td>45,239</td>
<td>20,239</td>
<td>15,000</td>
<td>35,239</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Enhanced lightweight body armor and combat helmets technology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>069</td>
<td>ROBOTICS DEVELOPMENT</td>
<td>39,608</td>
<td>39,608</td>
<td>44,608</td>
<td>39,608</td>
<td>39,608</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Accelerate armed Robotic Wingman development</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>ANALYSIS OF ALTERNATIVES</td>
<td>9,921</td>
<td>9,921</td>
<td>9,921</td>
<td>9,921</td>
<td>9,921</td>
<td></td>
</tr>
<tr>
<td>071</td>
<td>LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR</td>
<td>76,728</td>
<td>76,728</td>
<td>76,728</td>
<td>76,728</td>
<td>76,728</td>
<td></td>
</tr>
<tr>
<td>072</td>
<td>TECHNOLOGY MATURATION INITIATVES</td>
<td>115,221</td>
<td>98,221</td>
<td>115,221</td>
<td>115,221</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Program decrease</td>
<td>(–2,000)</td>
<td></td>
<td></td>
<td></td>
<td>(–2,000)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Program Reduction</td>
<td>(–15,000)</td>
<td></td>
<td></td>
<td></td>
<td>(–15,000)</td>
<td></td>
</tr>
<tr>
<td>073</td>
<td>MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD)</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td></td>
</tr>
<tr>
<td>074</td>
<td>TRACTOR BEAM</td>
<td>10,400</td>
<td>10,400</td>
<td>10,400</td>
<td>10,400</td>
<td>10,400</td>
<td></td>
</tr>
<tr>
<td>075</td>
<td>ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)</td>
<td>164,967</td>
<td>164,967</td>
<td>165,093</td>
<td>164,967</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Fully funds Anti-Jam Antenna development and testing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>076</td>
<td>SYNTHETIC TRAINING ENVIRONMENT REFINEMENT &amp; PROTOTYPING</td>
<td>1,600</td>
<td>1,600</td>
<td>1,600</td>
<td>1,600</td>
<td>1,600</td>
<td></td>
</tr>
<tr>
<td>077</td>
<td>INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2—INTERCEPT (IFPC2)</td>
<td>11,303</td>
<td>11,303</td>
<td>11,303</td>
<td>11,303</td>
<td>11,303</td>
<td></td>
</tr>
<tr>
<td>078</td>
<td>CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT</td>
<td>56,492</td>
<td>56,492</td>
<td>56,492</td>
<td>56,492</td>
<td>56,492</td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item Description</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-----------------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>079</td>
<td>1206308A</td>
<td>ARMY SPACE SYSTEMS INTEGRATION</td>
<td>20,432</td>
<td>20,432</td>
<td>20,432</td>
<td>0</td>
<td>20,432</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>899,589</td>
<td>937,659</td>
<td>1,000,785</td>
<td>97,520</td>
<td>997,109</td>
</tr>
<tr>
<td>080</td>
<td>0604201A</td>
<td>AIRCRAFT AVIONICS</td>
<td>30,153</td>
<td>42,153</td>
<td>42,153</td>
<td>12,000</td>
<td>42,153</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: Funds implementation of Assured Position, Navigation, and Timing (A-PNT).</td>
<td>(12,000)</td>
<td>(12,000)</td>
<td>(12,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>081</td>
<td>0604270A</td>
<td>ELECTRONIC WARFARE DEVELOPMENT</td>
<td>71,671</td>
<td>71,671</td>
<td>71,671</td>
<td>71,671</td>
<td>71,671</td>
</tr>
<tr>
<td>083</td>
<td>0604290A</td>
<td>MID-TIER NETWORKING VEHICULAR RADIO (MNVR)</td>
<td>10,589</td>
<td>10,589</td>
<td>10,589</td>
<td>10,589</td>
<td>10,589</td>
</tr>
<tr>
<td>084</td>
<td>0604321A</td>
<td>ALL SOURCE ANALYSIS SYSTEM</td>
<td>4,774</td>
<td>4,774</td>
<td>4,774</td>
<td>4,774</td>
<td>4,774</td>
</tr>
<tr>
<td>085</td>
<td>0604328A</td>
<td>TRACTOR CAGE</td>
<td>17,252</td>
<td>30,252</td>
<td>30,252</td>
<td>13,000</td>
<td>30,252</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: Provides the Army’s Cyber Mission Force (CMF) with classified cyber tools.</td>
<td>(13,000)</td>
<td>(13,000)</td>
<td>(13,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>086</td>
<td>0604601A</td>
<td>INFANTRY SUPPORT WEAPONS</td>
<td>87,643</td>
<td>89,243</td>
<td>93,643</td>
<td>1,150</td>
<td>88,793</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Program reduction- obligation delays</td>
<td>(–5,000)</td>
<td>(–5,000)</td>
<td>(–5,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: Acceleration of qualification of XM914 and XM913</td>
<td>(6,000)</td>
<td>(6,000)</td>
<td>(6,000)</td>
<td>(–4,850)</td>
<td></td>
</tr>
<tr>
<td>087</td>
<td>0604604A</td>
<td>MEDIUM TACTICAL VEHICLES</td>
<td>6,039</td>
<td>6,039</td>
<td>6,039</td>
<td>6,039</td>
<td>6,039</td>
</tr>
<tr>
<td>088</td>
<td>0604611A</td>
<td>JAVELIN</td>
<td>21,095</td>
<td>21,095</td>
<td>21,095</td>
<td>21,095</td>
<td>21,095</td>
</tr>
<tr>
<td>089</td>
<td>0604622A</td>
<td>FAMILY OF HEAVY TACTICAL VEHICLES</td>
<td>10,507</td>
<td>10,507</td>
<td>10,507</td>
<td>10,507</td>
<td>10,507</td>
</tr>
<tr>
<td>090</td>
<td>0604633A</td>
<td>AIR TRAFFIC CONTROL</td>
<td>3,536</td>
<td>3,536</td>
<td>3,536</td>
<td>3,536</td>
<td>3,536</td>
</tr>
<tr>
<td>092</td>
<td>0604642A</td>
<td>LIGHT TACTICAL WHEELED VEHICLES</td>
<td>7,000</td>
<td>7,000</td>
<td>7,000</td>
<td>7,000</td>
<td>7,000</td>
</tr>
<tr>
<td>093</td>
<td>0604645A</td>
<td>ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV</td>
<td>36,242</td>
<td>36,242</td>
<td>36,242</td>
<td>36,242</td>
<td>36,242</td>
</tr>
<tr>
<td>094</td>
<td>0604710A</td>
<td>NIGHT VISION SYSTEMS—ENG DEV</td>
<td>108,504</td>
<td>126,004</td>
<td>126,004</td>
<td>17,500</td>
<td>126,004</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: Develop Thermal Weapon Sights</td>
<td>(17,500)</td>
<td>(17,500)</td>
<td>(17,500)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>095</td>
<td>0604713A</td>
<td>COMBAT FEEDING, CLOTHING, AND EQUIPMENT</td>
<td>3,702</td>
<td>3,702</td>
<td>3,702</td>
<td>3,702</td>
<td>3,702</td>
</tr>
<tr>
<td>096</td>
<td>0604715A</td>
<td>NON-SYSTEM TRAINING DEVICES—ENG DEV</td>
<td>43,575</td>
<td>43,575</td>
<td>43,575</td>
<td>43,575</td>
<td>43,575</td>
</tr>
<tr>
<td>Project Code</td>
<td>Project Description</td>
<td>Funding 2020</td>
<td>Funding 2021</td>
<td>Funding 2022</td>
<td>Funding 2023</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------------------------------------------------</td>
<td>--------------</td>
<td>--------------</td>
<td>--------------</td>
<td>--------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604741A</td>
<td>AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV</td>
<td>28,726</td>
<td>28,726</td>
<td>28,726</td>
<td>28,726</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604742A</td>
<td>CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT</td>
<td>18,562</td>
<td>18,562</td>
<td>18,562</td>
<td>18,562</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604746A</td>
<td>AUTOMATIC TEST EQUIPMENT DEVELOPMENT</td>
<td>8,344</td>
<td>8,344</td>
<td>8,344</td>
<td>8,344</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604760A</td>
<td>DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV</td>
<td>11,270</td>
<td>11,270</td>
<td>11,270</td>
<td>11,270</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604768A</td>
<td>BRILLIANT ANTI-ARMOR SUBMUNITION (BAT)</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604780A</td>
<td>COMBINED ARMS TACTICAL TRAINER (CATT) CORE</td>
<td>18,566</td>
<td>18,566</td>
<td>18,566</td>
<td>18,566</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604798A</td>
<td>BRIGADE ANALYSIS, INTEGRATION AND EVALUATION</td>
<td>145,360</td>
<td>145,360</td>
<td>145,360</td>
<td>145,360</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604802A</td>
<td>WEAPONS AND Munitions—ENG DEV</td>
<td>145,232</td>
<td>157,410</td>
<td>161,410</td>
<td>12,178</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: 105mm Anti-Personnel / Wall Breach Ammunition</td>
<td>[8,000]</td>
<td>[8,000]</td>
<td>[8,000]</td>
<td>[4,178]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Devlops the 40mm Low Velocity M320 Door Breaching cartridge</td>
<td>[4,178]</td>
<td>[4,178]</td>
<td>[4,178]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Testing for the Anti-Tank Confined Space Tandem Warhead</td>
<td></td>
<td></td>
<td></td>
<td>[4,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604804A</td>
<td>LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV</td>
<td>90,965</td>
<td>92,965</td>
<td>90,965</td>
<td>90,965</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Next generation vehicle camouflage technology</td>
<td></td>
<td></td>
<td></td>
<td>[2,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604805A</td>
<td>COMMAND, CONTROL COMMUNICATIONS SYSTEMS—ENG DEV</td>
<td>9,910</td>
<td>9,910</td>
<td>9,910</td>
<td>9,910</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604807A</td>
<td>MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV</td>
<td>39,238</td>
<td>39,238</td>
<td>39,238</td>
<td>39,238</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604808A</td>
<td>LANDMINE WARFARE/BARRIER—ENG DEV</td>
<td>34,684</td>
<td>34,684</td>
<td>34,684</td>
<td>34,684</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604818A</td>
<td>ARMY TACTICAL COMMAND &amp; CONTROL HARDWARE &amp; SOFTWARE</td>
<td>164,409</td>
<td>188,409</td>
<td>164,409</td>
<td>164,409</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—Assured Communications</td>
<td></td>
<td></td>
<td></td>
<td>[5,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—IT3 demonstrator</td>
<td></td>
<td></td>
<td></td>
<td>[19,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604820A</td>
<td>RADAR DEVELOPMENT</td>
<td>32,968</td>
<td>32,968</td>
<td>32,968</td>
<td>32,968</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604822A</td>
<td>GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)</td>
<td>49,554</td>
<td>49,554</td>
<td>49,554</td>
<td>49,554</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604823A</td>
<td>FIREFINDER</td>
<td>45,605</td>
<td>45,605</td>
<td>45,605</td>
<td>45,605</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604827A</td>
<td>SOLDIER SYSTEMS—WARRIOR DEMIVAL</td>
<td>16,127</td>
<td>23,127</td>
<td>16,127</td>
<td>16,127</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Program increase—soldier power development initiatives</td>
<td></td>
<td></td>
<td></td>
<td>[7,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604852A</td>
<td>SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD</td>
<td>98,600</td>
<td>133,600</td>
<td>133,600</td>
<td>35,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Expands installation of Active Protection Systems</td>
<td></td>
<td></td>
<td></td>
<td>[25,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Modular Active Protection System</td>
<td></td>
<td></td>
<td></td>
<td>[25,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—IT3 demonstrator</td>
<td></td>
<td></td>
<td></td>
<td>[10,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—IT3 demonstrator</td>
<td></td>
<td></td>
<td></td>
<td>[10,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604853A</td>
<td>ARTILLERY SYSTEMS—EMD</td>
<td>1,972</td>
<td>3,972</td>
<td>3,972</td>
<td>2,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—IT3 demonstrator</td>
<td></td>
<td></td>
<td></td>
<td>[2,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605013A</td>
<td>INFORMATION TECHNOLOGY DEVELOPMENT</td>
<td>81,776</td>
<td>81,776</td>
<td>81,776</td>
<td>81,776</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605018A</td>
<td>INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A)</td>
<td>172,361</td>
<td>187,361</td>
<td>172,361</td>
<td>172,361</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded Requirement</td>
<td></td>
<td></td>
<td></td>
<td>[15,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item Description</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-----------------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>118</td>
<td>0605028A</td>
<td>ARMORED MULTI-PURPOSE VEHICLE (AMPV)</td>
<td>199,778</td>
<td>199,778</td>
<td>199,778</td>
<td></td>
<td>199,778</td>
</tr>
<tr>
<td>119</td>
<td>0605029A</td>
<td>INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C).</td>
<td>4,418</td>
<td>4,418</td>
<td>4,418</td>
<td></td>
<td>4,418</td>
</tr>
<tr>
<td>120</td>
<td>0605030A</td>
<td>JOINT TACTICAL NETWORK CENTER (JTN)</td>
<td>15,877</td>
<td>15,877</td>
<td>15,877</td>
<td></td>
<td>15,877</td>
</tr>
<tr>
<td>121</td>
<td>0605031A</td>
<td>JOINT TACTICAL NETWORK (JTN)</td>
<td>44,150</td>
<td>44,150</td>
<td>44,150</td>
<td></td>
<td>44,150</td>
</tr>
<tr>
<td>122</td>
<td>0605032A</td>
<td>TRACTOR TIRE</td>
<td>34,670</td>
<td>113,570</td>
<td></td>
<td>78,900</td>
<td>113,570</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: Develops Offensive Cyber Operations capabilities</td>
<td>(78,900)</td>
<td>(78,900)</td>
<td>(78,900)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>123</td>
<td>0605033A</td>
<td>GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM—EXPEDITIONARY (GBOSS-E).</td>
<td>5,207</td>
<td>5,207</td>
<td>5,207</td>
<td></td>
<td>5,207</td>
</tr>
<tr>
<td>124</td>
<td>0605034A</td>
<td>TACTICAL SECURITY SYSTEM (TSS)</td>
<td>78,900</td>
<td>78,900</td>
<td>78,900</td>
<td></td>
<td>78,900</td>
</tr>
<tr>
<td>125</td>
<td>0605035A</td>
<td>COMMON INFRARED COUNTERMEASURES (CIRCM)</td>
<td>105,778</td>
<td>105,778</td>
<td>105,778</td>
<td></td>
<td>105,778</td>
</tr>
<tr>
<td>126</td>
<td>0605036A</td>
<td>COMBATING WEAPONS OF MASS DESTRUCTION (CWMD)</td>
<td>6,927</td>
<td>6,927</td>
<td>6,927</td>
<td></td>
<td>6,927</td>
</tr>
<tr>
<td>127</td>
<td>0605037A</td>
<td>EVIDENCE COLLECTION AND DETAINEE PROCESSING</td>
<td>214</td>
<td>214</td>
<td>214</td>
<td></td>
<td>214</td>
</tr>
<tr>
<td>128</td>
<td>0605038A</td>
<td>NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE (NBCRV) SENSORS SUITE.</td>
<td>16,125</td>
<td>16,125</td>
<td>16,125</td>
<td></td>
<td>16,125</td>
</tr>
<tr>
<td>129</td>
<td>0605041A</td>
<td>DEFENSIVE CYBER TOOL DEVELOPMENT</td>
<td>55,165</td>
<td>55,165</td>
<td>55,165</td>
<td></td>
<td>55,165</td>
</tr>
<tr>
<td>130</td>
<td>0605042A</td>
<td>TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)</td>
<td>20,076</td>
<td>20,076</td>
<td>20,076</td>
<td></td>
<td>20,076</td>
</tr>
<tr>
<td>131</td>
<td>0605043A</td>
<td>CONTRACT WRITING SYSTEM</td>
<td>20,322</td>
<td>20,322</td>
<td>20,322</td>
<td></td>
<td>20,322</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consolidate requirements</td>
<td>-20,300</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>0605049A</td>
<td>MISSILE WARNING SYSTEM MODERNIZATION (MWSM)</td>
<td>55,810</td>
<td>210,810</td>
<td>210,810</td>
<td>155,000</td>
<td>210,810</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: Supports Directed Requirement for Limited Interim Missile Warning System to detect Enemy (MANPADS).</td>
<td></td>
<td>(155,000)</td>
<td>(155,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>133</td>
<td>0605051A</td>
<td>AIRCRAFT SURVIVABILITY DEVELOPMENT</td>
<td>30,879</td>
<td>30,879</td>
<td>30,879</td>
<td></td>
<td>30,879</td>
</tr>
<tr>
<td>134</td>
<td>0605052A</td>
<td>INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1</td>
<td>175,069</td>
<td>175,069</td>
<td>175,069</td>
<td></td>
<td>175,069</td>
</tr>
<tr>
<td>135</td>
<td>0605053A</td>
<td>GROUND ROBOTICS</td>
<td>70,760</td>
<td>70,760</td>
<td>70,760</td>
<td></td>
<td>70,760</td>
</tr>
<tr>
<td>137</td>
<td>0605380A</td>
<td>AMP JOINT TACTICAL RADIO SYSTEM (JTRS)</td>
<td>8,965</td>
<td>8,965</td>
<td>8,965</td>
<td></td>
<td>8,965</td>
</tr>
<tr>
<td>138</td>
<td>0605450A</td>
<td>JOINT AIR-TO-GROUND MISSILE (JAGM)</td>
<td>34,626</td>
<td>34,626</td>
<td>34,626</td>
<td></td>
<td>34,626</td>
</tr>
<tr>
<td>Program</td>
<td>Budget 2016</td>
<td>Budget 2017</td>
<td>Budget 2018</td>
<td>Budget 2019</td>
<td>Budget 2020</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-------------</td>
<td>-------------</td>
<td>-------------</td>
<td>-------------</td>
<td>-------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</td>
<td>336,420</td>
<td>252,320</td>
<td>136,420</td>
<td>–84,100</td>
<td>252,320</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Reduction</td>
<td>–84,100</td>
<td>–200,000</td>
<td>–84,100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NATIONAL CAPABILITIES INTEGRATION (MIP)</td>
<td>6,882</td>
<td>9,382</td>
<td>9,382</td>
<td>2,500</td>
<td>9,382</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: Funds development for Remote Ground Terminal</td>
<td>(2,500)</td>
<td>(2,500)</td>
<td>(2,500)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.</td>
<td>23,467</td>
<td>23,467</td>
<td>23,467</td>
<td>23,467</td>
<td>23,467</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AVIATION GROUND SUPPORT EQUIPMENT</td>
<td>6,930</td>
<td>6,930</td>
<td>6,930</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PALADIN INTEGRATED MANAGEMENT (PIM)</td>
<td>6,112</td>
<td>6,112</td>
<td>6,112</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TROJAN—RH12</td>
<td>4,431</td>
<td>4,431</td>
<td>4,431</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELECTRONIC WARFARE DEVELOPMENT</td>
<td>14,616</td>
<td>14,616</td>
<td>14,616</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.</td>
<td>23,467</td>
<td>23,467</td>
<td>23,467</td>
<td>23,467</td>
<td>23,467</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TRACTOR BEARS</td>
<td>17,928</td>
<td>17,928</td>
<td>17,928</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAJOR T&amp;E INVESTMENT</td>
<td>102,901</td>
<td>102,901</td>
<td>102,901</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RAND ARROYO CENTER</td>
<td>20,140</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY KWAJALEIN ATOLL</td>
<td>246,663</td>
<td>246,663</td>
<td>251,025</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: Increases funding for facilities sustainment from 75% to 83%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONCEPTS EXPERIMENTATION PROGRAM</td>
<td>29,820</td>
<td>29,820</td>
<td>29,820</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY TEST RANGES AND FACILITIES</td>
<td>307,588</td>
<td>307,588</td>
<td>307,588</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS</td>
<td>49,242</td>
<td>49,242</td>
<td>49,242</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SURVIVABILITY/LETHALITY ANALYSIS</td>
<td>41,843</td>
<td>41,843</td>
<td>41,843</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRCRAFT CERTIFICATION</td>
<td>4,804</td>
<td>4,804</td>
<td>4,804</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>METEOROLOGICAL SUPPORT TO RDT&amp;E ACTIVITIES</td>
<td>7,238</td>
<td>7,238</td>
<td>7,238</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATERIEL SYSTEMS ANALYSIS</td>
<td>21,890</td>
<td>21,890</td>
<td>21,890</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXPLOITATION OF FOREIGN ITEMS</td>
<td>12,684</td>
<td>12,684</td>
<td>12,684</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUPPORT OF OPERATIONAL TESTING</td>
<td>50,040</td>
<td>50,040</td>
<td>50,040</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY EVALUATION CENTER</td>
<td>56,246</td>
<td>56,246</td>
<td>56,246</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY MODELING &amp; SIM X-CMD COLLABORATION &amp; INTEG</td>
<td>1,829</td>
<td>1,829</td>
<td>1,829</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROGRAMWIDE ACTIVITIES</td>
<td>55,060</td>
<td>55,060</td>
<td>55,060</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**RDT&E MANAGEMENT SUPPORT**

<table>
<thead>
<tr>
<th>Program</th>
<th>Budget 2016</th>
<th>Budget 2017</th>
<th>Budget 2018</th>
<th>Budget 2019</th>
<th>Budget 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>THREAT SIMULATOR DEVELOPMENT</td>
<td>22,862</td>
<td>22,862</td>
<td>22,862</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TARGET SYSTEMS DEVELOPMENT</td>
<td>13,902</td>
<td>13,902</td>
<td>13,902</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAJOR T&amp;E INVESTMENT</td>
<td>102,901</td>
<td>102,901</td>
<td>102,901</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RAND ARROYO CENTER</td>
<td>20,140</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY KWAJALEIN ATOLL</td>
<td>246,663</td>
<td>246,663</td>
<td>251,025</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

UFR: Increases funding for facilities sustainment from 75% to 83%

<table>
<thead>
<tr>
<th>Program</th>
<th>Budget 2016</th>
<th>Budget 2017</th>
<th>Budget 2018</th>
<th>Budget 2019</th>
<th>Budget 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONCEPTS EXPERIMENTATION PROGRAM</td>
<td>29,820</td>
<td>29,820</td>
<td>29,820</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY TEST RANGES AND FACILITIES</td>
<td>307,588</td>
<td>307,588</td>
<td>307,588</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS</td>
<td>49,242</td>
<td>49,242</td>
<td>49,242</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SURVIVABILITY/LETHALITY ANALYSIS</td>
<td>41,843</td>
<td>41,843</td>
<td>41,843</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRCRAFT CERTIFICATION</td>
<td>4,804</td>
<td>4,804</td>
<td>4,804</td>
<td></td>
<td></td>
</tr>
<tr>
<td>METEOROLOGICAL SUPPORT TO RDT&amp;E ACTIVITIES</td>
<td>7,238</td>
<td>7,238</td>
<td>7,238</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATERIEL SYSTEMS ANALYSIS</td>
<td>21,890</td>
<td>21,890</td>
<td>21,890</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXPLOITATION OF FOREIGN ITEMS</td>
<td>12,684</td>
<td>12,684</td>
<td>12,684</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUPPORT OF OPERATIONAL TESTING</td>
<td>50,040</td>
<td>50,040</td>
<td>50,040</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY EVALUATION CENTER</td>
<td>56,246</td>
<td>56,246</td>
<td>56,246</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY MODELING &amp; SIM X-CMD COLLABORATION &amp; INTEG</td>
<td>1,829</td>
<td>1,829</td>
<td>1,829</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROGRAMWIDE ACTIVITIES</td>
<td>55,060</td>
<td>55,060</td>
<td>55,060</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>170</td>
<td>0605803A</td>
<td>TECHNICAL INFORMATION ACTIVITIES</td>
<td>33,934</td>
<td>33,934</td>
<td>33,934</td>
<td>33,934</td>
<td></td>
</tr>
<tr>
<td>171</td>
<td>0605805A</td>
<td>MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY</td>
<td>43,444</td>
<td>43,444</td>
<td>43,444</td>
<td>43,444</td>
<td></td>
</tr>
<tr>
<td>172</td>
<td>0605857A</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT</td>
<td>5,087</td>
<td>5,087</td>
<td>5,087</td>
<td>5,087</td>
<td></td>
</tr>
<tr>
<td>173</td>
<td>0605898A</td>
<td>ARMY DIRECT REPORT HEADQUARTERS—R&amp;D - MDA</td>
<td>54,679</td>
<td>54,679</td>
<td>54,679</td>
<td>54,679</td>
<td></td>
</tr>
<tr>
<td>174</td>
<td>0606001A</td>
<td>MILITARY GROUND-BASED CREW TECHNOLOGY</td>
<td>7,916</td>
<td>7,916</td>
<td>7,916</td>
<td>7,916</td>
<td></td>
</tr>
<tr>
<td>175</td>
<td>0606002A</td>
<td>RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE</td>
<td>61,254</td>
<td>61,254</td>
<td>61,254</td>
<td>61,254</td>
<td></td>
</tr>
<tr>
<td>176</td>
<td>0303260A</td>
<td>DEFENSE MILITARY DECEPTION INITIATIVE</td>
<td>1,779</td>
<td>1,779</td>
<td>1,779</td>
<td>1,779</td>
<td></td>
</tr>
</tbody>
</table>

**SUBTOTAL RDT&E MANAGEMENT SUPPORT** | 1,253,845 | 1,253,845 | 1,258,207 | 1,253,845 |

#### OPERATIONAL SYSTEMS DEVELOPMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>178</td>
<td>0603778A</td>
<td>MLRS PRODUCT IMPROVEMENT PROGRAM</td>
<td>8,929</td>
<td>8,929</td>
<td>8,929</td>
<td>8,929</td>
<td></td>
</tr>
<tr>
<td>179</td>
<td>0603813A</td>
<td>TRACTOR PULL</td>
<td>4,014</td>
<td>4,014</td>
<td>4,014</td>
<td>4,014</td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>0605024A</td>
<td>ANTI-TAMPER TECHNOLOGY SUPPORT</td>
<td>4,094</td>
<td>4,094</td>
<td>4,094</td>
<td>4,094</td>
<td></td>
</tr>
<tr>
<td>181</td>
<td>0607131A</td>
<td>WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS</td>
<td>15,738</td>
<td>15,738</td>
<td>15,738</td>
<td>15,738</td>
<td></td>
</tr>
<tr>
<td>182</td>
<td>0607133A</td>
<td>TRACTOR SMOKE</td>
<td>4,513</td>
<td>4,513</td>
<td>4,513</td>
<td>4,513</td>
<td></td>
</tr>
<tr>
<td>183</td>
<td>0607134A</td>
<td>LONG RANGE PRECISION FIRES (LRPF)</td>
<td>102,014</td>
<td>158,745</td>
<td>144,745</td>
<td>56,731</td>
<td>158,745</td>
</tr>
<tr>
<td></td>
<td>UFR: Accelerates LRPF procurement from FY25</td>
<td></td>
<td></td>
<td>[42,731]</td>
<td>(42,731)</td>
<td>(42,731)</td>
<td>(42,731)</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—CDAEM Bridging Strategy - M999 T&amp;E</td>
<td>59,977</td>
<td>59,977</td>
<td>59,977</td>
<td>59,977</td>
<td></td>
<td></td>
</tr>
<tr>
<td>184</td>
<td>0607135A</td>
<td>APACHE PRODUCT IMPROVEMENT PROGRAM</td>
<td>59,977</td>
<td>59,977</td>
<td>59,977</td>
<td>59,977</td>
<td></td>
</tr>
<tr>
<td>185</td>
<td>0607136A</td>
<td>BLACKHAWK PRODUCT IMPROVEMENT PROGRAM</td>
<td>34,416</td>
<td>43,716</td>
<td>34,416</td>
<td>9,300</td>
<td>43,716</td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—UH-60V development</td>
<td></td>
<td></td>
<td>(9,300)</td>
<td>(9,300)</td>
<td>(9,300)</td>
<td>(9,300)</td>
</tr>
<tr>
<td>186</td>
<td>0607137A</td>
<td>CHINOOK PRODUCT IMPROVEMENT PROGRAM</td>
<td>194,567</td>
<td>194,567</td>
<td>194,567</td>
<td>194,567</td>
<td></td>
</tr>
<tr>
<td>187</td>
<td>0607138A</td>
<td>FIXED WING PRODUCT IMPROVEMENT PROGRAM</td>
<td>9,981</td>
<td>9,981</td>
<td>9,981</td>
<td>9,981</td>
<td></td>
</tr>
<tr>
<td>188</td>
<td>0607139A</td>
<td>IMPROVED TURBINE ENGINE PROGRAM</td>
<td>204,304</td>
<td>204,304</td>
<td>204,304</td>
<td>204,304</td>
<td></td>
</tr>
<tr>
<td>189</td>
<td>0607140A</td>
<td>EMERGING TECHNOLOGIES FROM NIE</td>
<td>1,023</td>
<td>1,023</td>
<td>1,023</td>
<td>1,023</td>
<td></td>
</tr>
<tr>
<td>190</td>
<td>0607141A</td>
<td>LOGISTICS AUTOMATION</td>
<td>1,504</td>
<td>1,504</td>
<td>1,504</td>
<td>1,504</td>
<td></td>
</tr>
<tr>
<td>191</td>
<td>0607142A</td>
<td>AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT</td>
<td>10,064</td>
<td>18,064</td>
<td>18,064</td>
<td>8,000</td>
<td>18,064</td>
</tr>
<tr>
<td>#</td>
<td>Case Number</td>
<td>Program Description</td>
<td>FY18 Spending</td>
<td>FY19 Spending</td>
<td>FY20 Spending</td>
<td>FY21 Spending</td>
<td></td>
</tr>
<tr>
<td>----</td>
<td>-------------------</td>
<td>--------------------------------------------------------------------------------------</td>
<td>----------------</td>
<td>----------------</td>
<td>----------------</td>
<td>----------------</td>
<td></td>
</tr>
<tr>
<td>192</td>
<td>0607143A</td>
<td>UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS</td>
<td>38,463</td>
<td>38,463</td>
<td>38,463</td>
<td>38,463</td>
<td></td>
</tr>
<tr>
<td>193</td>
<td>0607665A</td>
<td>FAMILY OF BIOMETRICS</td>
<td>6,159</td>
<td>6,159</td>
<td>6,159</td>
<td>6,159</td>
<td></td>
</tr>
<tr>
<td>194</td>
<td>0607865A</td>
<td>PATRIOT PRODUCT IMPROVEMENT</td>
<td>90,217</td>
<td>90,217</td>
<td>180,217</td>
<td>90,000</td>
<td></td>
</tr>
<tr>
<td>195</td>
<td>0202429A</td>
<td>AEROSTAT JOINT PROJECT—COCOM EXERCISE</td>
<td>6,749</td>
<td>6,749</td>
<td>6,749</td>
<td>6,749</td>
<td></td>
</tr>
<tr>
<td>196</td>
<td>0203728A</td>
<td>JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCs)</td>
<td>33,520</td>
<td>33,520</td>
<td>33,520</td>
<td>33,520</td>
<td></td>
</tr>
<tr>
<td>197</td>
<td>0203735A</td>
<td>COMBAT VEHICLE IMPROVEMENT PROGRAMS</td>
<td>343,175</td>
<td>351,175</td>
<td>351,175</td>
<td>8,000</td>
<td></td>
</tr>
<tr>
<td>198</td>
<td>0203740A</td>
<td>MANEUVER CONTROL SYSTEM</td>
<td>6,639</td>
<td>6,639</td>
<td>6,639</td>
<td>6,639</td>
<td></td>
</tr>
<tr>
<td>199</td>
<td>0203743A</td>
<td>155MM SELF-PROPELLED HOWITZER IMPROVEMENTS</td>
<td>40,784</td>
<td>40,784</td>
<td>40,784</td>
<td>40,784</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>0203744A</td>
<td>AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS</td>
<td>39,358</td>
<td>39,358</td>
<td>39,358</td>
<td>39,358</td>
<td></td>
</tr>
<tr>
<td>201</td>
<td>0203752A</td>
<td>AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM</td>
<td>145</td>
<td>145</td>
<td>145</td>
<td>145</td>
<td></td>
</tr>
<tr>
<td>202</td>
<td>0203758A</td>
<td>DIGITIZATION</td>
<td>4,803</td>
<td>4,803</td>
<td>4,803</td>
<td>4,803</td>
<td></td>
</tr>
<tr>
<td>203</td>
<td>0203801A</td>
<td>MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM</td>
<td>2,723</td>
<td>28,723</td>
<td>28,723</td>
<td>26,000</td>
<td></td>
</tr>
<tr>
<td>204</td>
<td>0203802A</td>
<td>OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS</td>
<td>5,000</td>
<td>5,000</td>
<td>5,000</td>
<td>5,000</td>
<td></td>
</tr>
<tr>
<td>205</td>
<td>0203808A</td>
<td>TRACTOR CARD</td>
<td>37,883</td>
<td>37,883</td>
<td>37,883</td>
<td>37,883</td>
<td></td>
</tr>
<tr>
<td>206</td>
<td>0205402A</td>
<td>INTEGRATED BASE DEFENSE—OPERATIONAL SYSTEM DEV</td>
<td>4,500</td>
<td></td>
<td></td>
<td>(4,500)</td>
<td></td>
</tr>
<tr>
<td>207</td>
<td>0205410A</td>
<td>MATERIALS HANDLING EQUIPMENT</td>
<td>1,582</td>
<td>1,582</td>
<td>1,582</td>
<td>1,582</td>
<td></td>
</tr>
<tr>
<td>208</td>
<td>0205412A</td>
<td>ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV</td>
<td>195</td>
<td>195</td>
<td>195</td>
<td>195</td>
<td></td>
</tr>
<tr>
<td>209</td>
<td>0205456A</td>
<td>LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM</td>
<td>78,926</td>
<td>78,926</td>
<td>78,926</td>
<td>78,926</td>
<td></td>
</tr>
<tr>
<td>210</td>
<td>0205778A</td>
<td>GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)</td>
<td>102,807</td>
<td>102,807</td>
<td>102,807</td>
<td>102,807</td>
<td></td>
</tr>
<tr>
<td>211</td>
<td>0303028A</td>
<td>SECURITY AND INTELLIGENCE ACTIVITIES</td>
<td>13,807</td>
<td>35,652</td>
<td>35,652</td>
<td>21,845</td>
<td></td>
</tr>
<tr>
<td>212</td>
<td>0303140A</td>
<td>INFORMATION SYSTEMS SECURITY PROGRAM</td>
<td>132,438</td>
<td>139,459</td>
<td>132,438</td>
<td>132,438</td>
<td></td>
</tr>
<tr>
<td>213</td>
<td>0303141A</td>
<td>GLOBAL COMBAT SUPPORT SYSTEM</td>
<td>64,370</td>
<td>64,370</td>
<td>64,370</td>
<td>64,370</td>
<td></td>
</tr>
<tr>
<td>214</td>
<td>0303150A</td>
<td>WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM</td>
<td>10,475</td>
<td>10,475</td>
<td>10,475</td>
<td>10,475</td>
<td></td>
</tr>
</tbody>
</table>
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>0305172A</td>
<td>COMBINED ADVANCED APPLICATIONS</td>
<td>1,100</td>
<td>1,100</td>
<td>1,100</td>
<td>1,100</td>
<td>1,100</td>
</tr>
<tr>
<td>222</td>
<td>0305204A</td>
<td>TACTICAL UNMANNED AERIAL VEHICLES</td>
<td>9,433</td>
<td>9,433</td>
<td>9,433</td>
<td>9,433</td>
<td>9,433</td>
</tr>
<tr>
<td>223</td>
<td>0305206A</td>
<td>AIRBORNE RECONNAISSANCE SYSTEMS</td>
<td>5,080</td>
<td>5,080</td>
<td>5,080</td>
<td>5,080</td>
<td>5,080</td>
</tr>
<tr>
<td>224</td>
<td>0305208A</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>24,700</td>
<td>24,700</td>
<td>4,700</td>
<td>-4,220</td>
<td>20,480</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Change in tactical requirements</td>
<td>-20,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Historical underexecution</td>
<td>-4,220</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>225</td>
<td>0305219A</td>
<td>MQ-1C GRAY EAGLE UAS</td>
<td>9,574</td>
<td>9,574</td>
<td>9,574</td>
<td>9,574</td>
<td>9,574</td>
</tr>
<tr>
<td>226</td>
<td>0305232A</td>
<td>RQ-11 UAV</td>
<td>2,191</td>
<td>2,191</td>
<td>2,191</td>
<td>2,191</td>
<td>2,191</td>
</tr>
<tr>
<td>227</td>
<td>0305233A</td>
<td>RQ-7 UAV</td>
<td>12,773</td>
<td>12,773</td>
<td>12,773</td>
<td>12,773</td>
<td>12,773</td>
</tr>
<tr>
<td>228</td>
<td>0307665A</td>
<td>BIOMETRICS ENABLED INTELLIGENCE</td>
<td>2,537</td>
<td>2,537</td>
<td>2,537</td>
<td>2,537</td>
<td>2,537</td>
</tr>
<tr>
<td>229</td>
<td>0310349A</td>
<td>WIN-T INCREMENT 2—INITIAL NETWORKING</td>
<td>4,723</td>
<td>4,723</td>
<td>723</td>
<td>4,723</td>
<td>4,723</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Change in tactical requirements</td>
<td>-4,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>0708045A</td>
<td>END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES</td>
<td>60,877</td>
<td>65,877</td>
<td>60,877</td>
<td>5,000</td>
<td>65,877</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Development of improved manufacturing technology for separation, extraction, smelter, sintering, leaching, processing, beneficiation, or production of specialty metals such as lanthanide elements, yttrium or scandium.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Change in tactical requirements</td>
<td>-5,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>231</td>
<td>1203142A</td>
<td>SATCOM GROUND ENVIRONMENT (SPACE)</td>
<td>11,959</td>
<td>11,959</td>
<td>11,959</td>
<td>11,959</td>
<td>11,959</td>
</tr>
<tr>
<td>232</td>
<td>1208053A</td>
<td>JOINT TACTICAL GROUND SYSTEM</td>
<td>10,228</td>
<td>10,228</td>
<td>10,228</td>
<td>10,228</td>
<td>10,228</td>
</tr>
<tr>
<td>232A</td>
<td>9999999999</td>
<td>CLASSIFIED PROGRAMS</td>
<td>7,154</td>
<td>7,154</td>
<td>7,154</td>
<td>7,154</td>
<td>7,154</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</td>
<td>1,877,685</td>
<td>2,024,082</td>
<td>2,050,261</td>
<td>220,656</td>
<td>2,098,341</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UNDISTRIBUTED</td>
<td>45,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>233</td>
<td>0901560A</td>
<td>UNDISTRIBUTED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Modernizing Army capabilities and Third Offset</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td>45,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

现代化陆军能力，第三条 śl今。
<table>
<thead>
<tr>
<th>Category</th>
<th>ARMY</th>
<th>NAVY</th>
<th>NET</th>
<th>Program Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY</td>
<td>9,446,140</td>
<td>9,944,185</td>
<td>9,927,052</td>
<td>572,304</td>
</tr>
<tr>
<td>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BASIC RESEARCH</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNIVERSITY RESEARCH INITIATIVES</td>
<td>118,130</td>
<td>138,130</td>
<td>123,130</td>
<td>10,000</td>
</tr>
<tr>
<td>Defense University Research Instrumentation Program</td>
<td>[20,000]</td>
<td>[5,000]</td>
<td>[10,000]</td>
<td></td>
</tr>
<tr>
<td>IN-HOUSE LABORATORY INDEPENDENT RESEARCH</td>
<td>19,438</td>
<td>19,438</td>
<td>19,438</td>
<td></td>
</tr>
<tr>
<td>DEFENSE RESEARCH SCIENCES</td>
<td>458,333</td>
<td>458,333</td>
<td>458,333</td>
<td></td>
</tr>
<tr>
<td>SUBTOTAL BASIC RESEARCH</td>
<td>595,901</td>
<td>615,901</td>
<td>600,901</td>
<td>10,000</td>
</tr>
<tr>
<td>APPLIED RESEARCH</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POWER PROJECTION APPLIED RESEARCH</td>
<td>13,553</td>
<td>13,553</td>
<td>13,553</td>
<td></td>
</tr>
<tr>
<td>FORCE PROTECTION APPLIED RESEARCH</td>
<td>125,557</td>
<td>125,557</td>
<td>125,557</td>
<td></td>
</tr>
<tr>
<td>MARINE CORPS LANDING FORCE TECHNOLOGY</td>
<td>53,936</td>
<td>53,936</td>
<td>53,936</td>
<td></td>
</tr>
<tr>
<td>COMMON PICTURE APPLIED RESEARCH</td>
<td>36,450</td>
<td>36,450</td>
<td>36,450</td>
<td></td>
</tr>
<tr>
<td>WARFIGHTER SUSTAINMENT APPLIED RESEARCH</td>
<td>48,649</td>
<td>48,649</td>
<td>48,649</td>
<td></td>
</tr>
<tr>
<td>ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH</td>
<td>79,598</td>
<td>79,598</td>
<td>79,598</td>
<td></td>
</tr>
<tr>
<td>OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH</td>
<td>42,411</td>
<td>57,411</td>
<td>57,411</td>
<td>15,000</td>
</tr>
<tr>
<td>SUBTOTAL APPLIED RESEARCH</td>
<td>886,079</td>
<td>924,579</td>
<td>916,079</td>
<td>20,000</td>
</tr>
<tr>
<td>ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FORCE PROTECTION ADVANCED TECHNOLOGY</td>
<td>26,342</td>
<td>26,342</td>
<td>26,342</td>
<td></td>
</tr>
</tbody>
</table>

Source: November 7, 2017 (1:25 p.m.)
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>020</td>
<td>0603271N</td>
<td>ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY</td>
<td>9,360</td>
<td>9,360</td>
<td>9,360</td>
<td>9,360</td>
<td></td>
</tr>
<tr>
<td>021</td>
<td>0603640M</td>
<td>USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)</td>
<td>154,407</td>
<td>154,407</td>
<td>149,407</td>
<td>154,407</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Futures directorate</td>
<td>-5,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>022</td>
<td>0603651M</td>
<td>JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT</td>
<td>13,448</td>
<td>13,448</td>
<td>13,448</td>
<td>13,448</td>
<td></td>
</tr>
<tr>
<td>023</td>
<td>0603673N</td>
<td>FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>226,772</td>
<td>226,772</td>
<td>-2,742</td>
<td>229,030</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Futures directorate</td>
<td>-5,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>024</td>
<td>0603680N</td>
<td>MANUFACTURING TECHNOLOGY PROGRAM</td>
<td>57,797</td>
<td>67,797</td>
<td>57,797</td>
<td>57,797</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Futures directorate</td>
<td>-10,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>025</td>
<td>0603729N</td>
<td>WARFIGHTER PROTECTION ADVANCED TECHNOLOGY</td>
<td>4,878</td>
<td>4,878</td>
<td>4,878</td>
<td>4,878</td>
<td></td>
</tr>
<tr>
<td>027</td>
<td>0603758N</td>
<td>NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS</td>
<td>64,889</td>
<td>64,889</td>
<td>64,889</td>
<td>64,889</td>
<td></td>
</tr>
<tr>
<td>028</td>
<td>0603782N</td>
<td>MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY</td>
<td>15,164</td>
<td>15,164</td>
<td>30,164</td>
<td>15,164</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Futures directorate</td>
<td>15,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>029</td>
<td>0603801N</td>
<td>INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>133,285</td>
<td>133,285</td>
<td>25,000</td>
<td>133,285</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Futures directorate</td>
<td>24,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Futures directorate</td>
<td>15,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>06030207N</td>
<td>AIR/OCEAN TACTICAL APPLICATIONS</td>
<td>686,342</td>
<td>720,342</td>
<td>22,258</td>
<td>708,600</td>
<td></td>
</tr>
<tr>
<td>031</td>
<td>0603216N</td>
<td>AVIATION SURVIVABILITY</td>
<td>48,365</td>
<td>48,365</td>
<td>48,365</td>
<td>48,365</td>
<td></td>
</tr>
<tr>
<td>033</td>
<td>0603215N</td>
<td>AIRCRAFT SYSTEMS</td>
<td>5,566</td>
<td>5,566</td>
<td>5,566</td>
<td>5,566</td>
<td></td>
</tr>
<tr>
<td>034</td>
<td>0603254N</td>
<td>ASW SYSTEMS DEVELOPMENT</td>
<td>695</td>
<td>695</td>
<td>695</td>
<td>695</td>
<td></td>
</tr>
<tr>
<td>035</td>
<td>0603261N</td>
<td>TACTICAL AIRBORNE RECONNAISSANCE</td>
<td>7,661</td>
<td>7,661</td>
<td>7,661</td>
<td>7,661</td>
<td></td>
</tr>
<tr>
<td>036</td>
<td>0603382N</td>
<td>ADVANCED COMBAT SYSTEMS TECHNOLOGY</td>
<td>3,707</td>
<td>3,707</td>
<td>3,707</td>
<td>3,707</td>
<td></td>
</tr>
<tr>
<td>037</td>
<td>0603502N</td>
<td>SURFACE AND SHALLOW WATER MINE COUNTERMEASURES</td>
<td>154,117</td>
<td>177,117</td>
<td>128,117</td>
<td>118,117</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>FY18 Actual</td>
<td>FY18 Budget</td>
<td>FY19 Actual</td>
<td>FY19 Budget</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>--------------------------------------------------</td>
<td>-------------</td>
<td>-------------</td>
<td>-------------</td>
<td>-------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>038</td>
<td>0603506N SURFACE SHIP TORPEDO DEFENSE</td>
<td>14,974</td>
<td>14,974</td>
<td>14,974</td>
<td>14,974</td>
<td></td>
<td></td>
</tr>
<tr>
<td>039</td>
<td>0603512N CARRIER SYSTEMS DEVELOPMENT</td>
<td>9,296</td>
<td>9,296</td>
<td>9,296</td>
<td>9,296</td>
<td></td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>0603525N PILOT FISH</td>
<td>132,083</td>
<td>132,083</td>
<td>132,083</td>
<td>132,083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>042</td>
<td>0603536N RETRACT JUNIPER</td>
<td>122,413</td>
<td>122,413</td>
<td>122,413</td>
<td>122,413</td>
<td></td>
<td></td>
</tr>
<tr>
<td>043</td>
<td>0603542N RADIODICAL CONTROL</td>
<td>745</td>
<td>745</td>
<td>745</td>
<td>745</td>
<td></td>
<td></td>
</tr>
<tr>
<td>044</td>
<td>0603553N SURFACE ASW</td>
<td>1,136</td>
<td>1,136</td>
<td>1,136</td>
<td>1,136</td>
<td></td>
<td></td>
</tr>
<tr>
<td>045</td>
<td>0603561N ADVANCED SUBMARINE SYSTEM DEVELOPMENT</td>
<td>100,955</td>
<td>100,955</td>
<td>100,955</td>
<td>100,955</td>
<td></td>
<td></td>
</tr>
<tr>
<td>046</td>
<td>0603562N SUBMARINE TACTICAL WARFARE SYSTEMS</td>
<td>13,834</td>
<td>13,834</td>
<td>13,834</td>
<td>13,834</td>
<td></td>
<td></td>
</tr>
<tr>
<td>047</td>
<td>0603563N SHIP CONCEPT ADVANCED DESIGN</td>
<td>36,891</td>
<td>36,891</td>
<td>36,891</td>
<td>36,891</td>
<td></td>
<td></td>
</tr>
<tr>
<td>048</td>
<td>0603564N SHIP PRELIMINARY DESIGN &amp; FEASIBILITY STUDIES</td>
<td>12,012</td>
<td>12,012</td>
<td>42,012</td>
<td>30,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Aircraft carrier preliminary design</td>
<td></td>
<td></td>
<td>42,012</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>049</td>
<td>0603570N ADVANCED NUCLEAR POWER SYSTEMS</td>
<td>329,500</td>
<td>329,500</td>
<td>329,500</td>
<td>329,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>0603573N ADVANCED SURFACE MACHINERY SYSTEMS</td>
<td>29,953</td>
<td>29,953</td>
<td>29,953</td>
<td>29,953</td>
<td></td>
<td></td>
</tr>
<tr>
<td>051</td>
<td>0603576N CHALK EAGLE</td>
<td>191,610</td>
<td>191,610</td>
<td>191,610</td>
<td>191,610</td>
<td></td>
<td></td>
</tr>
<tr>
<td>052</td>
<td>0603581N LITTORAL COMBAT SHIP (LCS)</td>
<td>40,991</td>
<td>40,991</td>
<td>33,991</td>
<td>40,991</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excess program support</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>053</td>
<td>0603582N COMBAT SYSTEM INTEGRATION</td>
<td>24,674</td>
<td>24,674</td>
<td>24,674</td>
<td>24,674</td>
<td></td>
<td></td>
</tr>
<tr>
<td>054</td>
<td>0603595N OHIO REPLACEMENT</td>
<td>776,158</td>
<td>776,158</td>
<td>776,158</td>
<td>776,158</td>
<td></td>
<td></td>
</tr>
<tr>
<td>056</td>
<td>0603597N AUTOMATED TEST AND ANALYSIS</td>
<td>8,052</td>
<td>8,052</td>
<td>8,052</td>
<td>8,052</td>
<td></td>
<td></td>
</tr>
<tr>
<td>057</td>
<td>0603599N FRIGATE DEVELOPMENT</td>
<td>143,450</td>
<td>143,450</td>
<td>143,450</td>
<td>143,450</td>
<td></td>
<td></td>
</tr>
<tr>
<td>058</td>
<td>0603609N CONVENTIONAL MUNITIONS</td>
<td>8,909</td>
<td>8,909</td>
<td>8,909</td>
<td>8,909</td>
<td></td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>0603635M MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM</td>
<td>1,428</td>
<td>1,428</td>
<td>1,428</td>
<td>1,428</td>
<td></td>
<td></td>
</tr>
<tr>
<td>061</td>
<td>0603654N JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT</td>
<td>53,367</td>
<td>53,367</td>
<td>53,367</td>
<td>53,367</td>
<td></td>
<td></td>
</tr>
<tr>
<td>063</td>
<td>0603713M OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT</td>
<td>8,212</td>
<td>8,212</td>
<td>8,212</td>
<td>8,212</td>
<td></td>
<td></td>
</tr>
<tr>
<td>064</td>
<td>0603721M ENVIRONMENTAL PROTECTION</td>
<td>20,214</td>
<td>20,214</td>
<td>20,214</td>
<td>20,214</td>
<td></td>
<td></td>
</tr>
<tr>
<td>065</td>
<td>0603724N NAVY ENERGY PROGRAM</td>
<td>50,623</td>
<td>50,623</td>
<td>50,623</td>
<td>–25,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>066</td>
<td>0603725N</td>
<td>FACILITIES IMPROVEMENT</td>
<td>2,837</td>
<td>2,837</td>
<td>2,837</td>
<td>[–25,000]</td>
<td></td>
</tr>
<tr>
<td>067</td>
<td>0603734N</td>
<td>CHALK CORAL</td>
<td>245,143</td>
<td>245,143</td>
<td>245,143</td>
<td>245,143</td>
<td></td>
</tr>
<tr>
<td>068</td>
<td>0603739N</td>
<td>NAVY LOGISTIC PRODUCTIVITY</td>
<td>2,995</td>
<td>2,995</td>
<td>2,995</td>
<td>2,995</td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>0603748N</td>
<td>LINK PLUMERIA</td>
<td>253,675</td>
<td>253,675</td>
<td>253,675</td>
<td>253,675</td>
<td></td>
</tr>
<tr>
<td>071</td>
<td>0603751N</td>
<td>RETRACT ELM</td>
<td>55,691</td>
<td>55,691</td>
<td>55,691</td>
<td>55,691</td>
<td></td>
</tr>
<tr>
<td>072</td>
<td>0603764N</td>
<td>LINK EVERGREEN</td>
<td>48,982</td>
<td>48,982</td>
<td>48,982</td>
<td>48,982</td>
<td></td>
</tr>
<tr>
<td>074</td>
<td>0603790N</td>
<td>NATO RESEARCH AND DEVELOPMENT</td>
<td>9,099</td>
<td>9,099</td>
<td>9,099</td>
<td>9,099</td>
<td></td>
</tr>
<tr>
<td>075</td>
<td>0603795N</td>
<td>LAND ATTACK TECHNOLOGY</td>
<td>33,568</td>
<td>33,568</td>
<td>33,568</td>
<td>33,568</td>
<td></td>
</tr>
<tr>
<td>076</td>
<td>0603851M</td>
<td>JOINT NON-LETHAL WEAPONS TESTING</td>
<td>29,873</td>
<td>29,873</td>
<td>29,873</td>
<td>29,873</td>
<td></td>
</tr>
<tr>
<td>078</td>
<td>0603925N</td>
<td>DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS</td>
<td>107,310</td>
<td>133,310</td>
<td>107,310</td>
<td>15,000</td>
<td>122,310</td>
</tr>
<tr>
<td>079</td>
<td>0604112N</td>
<td>GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80)</td>
<td>83,935</td>
<td>83,935</td>
<td>83,935</td>
<td>83,935</td>
<td></td>
</tr>
<tr>
<td>081</td>
<td>0604272N</td>
<td>TACTICAL AIR DIRECTATIONAL INFRARED COUNTERMEASURES (TADIRCM)</td>
<td>46,844</td>
<td>46,844</td>
<td>46,844</td>
<td>46,844</td>
<td></td>
</tr>
<tr>
<td>083</td>
<td>0604286M</td>
<td>MARINE CORPS ADDITIVE MANUFACTURING TECHNOLOGY DEVELOPMENT</td>
<td>6,200</td>
<td>6,200</td>
<td>6,200</td>
<td>6,200</td>
<td></td>
</tr>
<tr>
<td>085</td>
<td>0604320M</td>
<td>RAPID TECHNOLOGY CAPABILITY PROTOTYPE</td>
<td>7,055</td>
<td>7,055</td>
<td>17,055</td>
<td>10,000</td>
<td>17,055</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Increase rapid acquisition capability for Marine Corps Warfighting Lab.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>086</td>
<td>0604454N</td>
<td>LX (R)</td>
<td>9,578</td>
<td>9,578</td>
<td>9,578</td>
<td>9,578</td>
<td></td>
</tr>
<tr>
<td>087</td>
<td>0604536N</td>
<td>ADVANCED UNDERSEA PROTOTYPING</td>
<td>66,543</td>
<td>76,543</td>
<td>13,643</td>
<td>66,543</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Funding early to need</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[–52,900]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>XLUUV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[10,000]</td>
</tr>
<tr>
<td>089</td>
<td>0604659N</td>
<td>PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM</td>
<td>31,315</td>
<td>31,315</td>
<td>31,315</td>
<td>31,315</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>0604707N</td>
<td>SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT</td>
<td>42,851</td>
<td>42,851</td>
<td>42,851</td>
<td>42,851</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>2019</td>
<td>2020</td>
<td>2021</td>
<td>2022</td>
<td>2023</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>091</td>
<td>OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT</td>
<td>160,694</td>
<td>160,694</td>
<td>160,694</td>
<td>160,694</td>
<td></td>
<td></td>
</tr>
<tr>
<td>093</td>
<td>ASW SYSTEMS DEVELOPMENT—MIP</td>
<td>8,278</td>
<td>8,278</td>
<td>8,278</td>
<td>8,278</td>
<td></td>
<td></td>
</tr>
<tr>
<td>094</td>
<td>ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM</td>
<td>7,979</td>
<td>7,979</td>
<td>7,979</td>
<td>7,979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>095</td>
<td>ELECTRONIC WARFARE DEVELOPMENT—MIP</td>
<td>527</td>
<td>527</td>
<td>527</td>
<td>527</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</strong></td>
<td>4,218,714</td>
<td>4,277,714</td>
<td>4,172,814</td>
<td>–6,000</td>
<td>4,212,714</td>
<td></td>
</tr>
<tr>
<td>096</td>
<td>TRAINING SYSTEM AIRCRAFT</td>
<td>16,945</td>
<td>16,945</td>
<td>16,945</td>
<td>16,945</td>
<td></td>
<td></td>
</tr>
<tr>
<td>097</td>
<td>OTHER HELO DEVELOPMENT</td>
<td>26,786</td>
<td>26,786</td>
<td>26,786</td>
<td>26,786</td>
<td></td>
<td></td>
</tr>
<tr>
<td>098</td>
<td>AV-8B AIRCRAFT—ENG DEV</td>
<td>48,780</td>
<td>48,780</td>
<td>48,780</td>
<td>48,780</td>
<td></td>
<td></td>
</tr>
<tr>
<td>099</td>
<td>STANDARDS DEVELOPMENT</td>
<td>2,722</td>
<td>2,722</td>
<td>2,722</td>
<td>2,722</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT</td>
<td>5,371</td>
<td>5,371</td>
<td>5,371</td>
<td>5,371</td>
<td></td>
<td></td>
</tr>
<tr>
<td>101</td>
<td>AIR/OCEAN EQUIPMENT ENGINEERING</td>
<td>782</td>
<td>782</td>
<td>782</td>
<td>782</td>
<td></td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>P-3 MODERNIZATION PROGRAM</td>
<td>1,361</td>
<td>1,361</td>
<td>1,361</td>
<td>1,361</td>
<td></td>
<td></td>
</tr>
<tr>
<td>103</td>
<td>WARFARE SUPPORT SYSTEM</td>
<td>14,167</td>
<td>14,167</td>
<td>14,167</td>
<td>14,167</td>
<td></td>
<td></td>
</tr>
<tr>
<td>104</td>
<td>TACTICAL COMMAND SYSTEM</td>
<td>55,695</td>
<td>55,695</td>
<td>55,695</td>
<td>55,695</td>
<td></td>
<td></td>
</tr>
<tr>
<td>105</td>
<td>ADVANCED HAWKEYE</td>
<td>292,535</td>
<td>292,535</td>
<td>292,535</td>
<td>292,535</td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>H-1 UPGRADES</td>
<td>61,288</td>
<td>61,288</td>
<td>61,288</td>
<td>61,288</td>
<td></td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>ACOUSTIC SEARCH SENSORS</td>
<td>37,167</td>
<td>37,167</td>
<td>37,167</td>
<td>37,167</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108</td>
<td>V-22A</td>
<td>171,386</td>
<td>186,386</td>
<td>186,386</td>
<td>15,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: MV-22 Common Configuration CC-RAM improvements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>109</td>
<td>AIR CREW SYSTEMS DEVELOPMENT</td>
<td>13,235</td>
<td>23,235</td>
<td>33,235</td>
<td>20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Air Crew Sensor Improvements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Physiological Episode prize competition</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>EA-18</td>
<td>173,488</td>
<td>173,488</td>
<td>173,488</td>
<td>173,488</td>
<td></td>
<td></td>
</tr>
<tr>
<td>111</td>
<td>ELECTRONIC WARFARE DEVELOPMENT</td>
<td>54,055</td>
<td>83,055</td>
<td>57,055</td>
<td>3,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—EWSA</td>
<td></td>
<td></td>
<td></td>
<td>(5,500)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—Intrepid Tiger II (V) UH-1Y jettison capability</td>
<td></td>
<td></td>
<td></td>
<td>(3,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirements—range improvements and upgrades</td>
<td></td>
<td></td>
<td></td>
<td>(20,500)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>EXECUTIVE HELO DEVELOPMENT</td>
<td>451,938</td>
<td>451,938</td>
<td>451,938</td>
<td>451,938</td>
<td></td>
<td></td>
</tr>
<tr>
<td>113</td>
<td>NEXT GENERATION JAMMER (NGJ)</td>
<td>632,936</td>
<td>624,136</td>
<td>632,936</td>
<td>–4,000</td>
<td>628,936</td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------</td>
<td>------------------------------------------------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>114</td>
<td>0604280N</td>
<td>JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY)</td>
<td>4,310</td>
<td>4,310</td>
<td>4,310</td>
<td>[–8,800]</td>
<td>4,310</td>
</tr>
<tr>
<td>116</td>
<td>0604307N</td>
<td>SURFACE COMBATANT COMBAT SYSTEM ENGINEERING</td>
<td>390,238</td>
<td>390,238</td>
<td>390,238</td>
<td>390,238</td>
<td>390,238</td>
</tr>
<tr>
<td>117</td>
<td>0604311N</td>
<td>LPD–17 CLASS SYSTEMS INTEGRATION</td>
<td>689</td>
<td>689</td>
<td>689</td>
<td>689</td>
<td>689</td>
</tr>
<tr>
<td>118</td>
<td>0604329N</td>
<td>SMALL DIAMETER BOMB (SDB)</td>
<td>112,846</td>
<td>112,846</td>
<td>112,846</td>
<td>112,846</td>
<td>112,846</td>
</tr>
<tr>
<td>119</td>
<td>0604366N</td>
<td>STANDARD MISSILE IMPROVEMENTS</td>
<td>158,578</td>
<td>158,578</td>
<td>158,578</td>
<td>158,578</td>
<td>158,578</td>
</tr>
<tr>
<td>120</td>
<td>0604373N</td>
<td>AIRBORNE MCM</td>
<td>15,734</td>
<td>15,734</td>
<td>15,734</td>
<td>15,734</td>
<td>15,734</td>
</tr>
<tr>
<td>122</td>
<td>0604501N</td>
<td>ADVANCED ABOVE WATER SENSORS</td>
<td>87,233</td>
<td>92,233</td>
<td>87,233</td>
<td>87,233</td>
<td>87,233</td>
</tr>
<tr>
<td>123</td>
<td></td>
<td>SPY–1 Solid State Advancement</td>
<td>(5,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>124</td>
<td>0604503N</td>
<td>SSN–688 AND TRIDENT MODERNIZATION</td>
<td>130,981</td>
<td>130,981</td>
<td>130,981</td>
<td>130,981</td>
<td>130,981</td>
</tr>
<tr>
<td>125</td>
<td>0604504N</td>
<td>AIR CONTROL</td>
<td>75,186</td>
<td>75,186</td>
<td>75,186</td>
<td>75,186</td>
<td>75,186</td>
</tr>
<tr>
<td>126</td>
<td>0604512N</td>
<td>SHIPBOARD AVIATION SYSTEMS</td>
<td>177,926</td>
<td>177,926</td>
<td>177,926</td>
<td>177,926</td>
<td>177,926</td>
</tr>
<tr>
<td>127</td>
<td>0604518N</td>
<td>COMBAT INFORMATION CENTER CONVERSION</td>
<td>8,062</td>
<td>8,062</td>
<td>8,062</td>
<td>8,062</td>
<td>8,062</td>
</tr>
<tr>
<td>128</td>
<td>0604522N</td>
<td>AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM</td>
<td>32,090</td>
<td>32,090</td>
<td>32,090</td>
<td>32,090</td>
<td>32,090</td>
</tr>
<tr>
<td>129</td>
<td>0604558N</td>
<td>NEW DESIGN SSN</td>
<td>120,087</td>
<td>120,087</td>
<td>120,087</td>
<td>120,087</td>
<td>120,087</td>
</tr>
<tr>
<td>130</td>
<td>0604562N</td>
<td>SUBMARINE TACTICAL WARFARE SYSTEM</td>
<td>50,850</td>
<td>50,850</td>
<td>50,850</td>
<td>50,850</td>
<td>50,850</td>
</tr>
<tr>
<td>131</td>
<td>0604567N</td>
<td>SHIP CONTRACT DESIGN/ LIVE FIRE T&amp;E</td>
<td>67,166</td>
<td>67,166</td>
<td>67,166</td>
<td>67,166</td>
<td>67,166</td>
</tr>
<tr>
<td>132</td>
<td></td>
<td>CVN 80 DFA</td>
<td>(20,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>133</td>
<td>0604574N</td>
<td>NAVY TACTICAL COMPUTER RESOURCES</td>
<td>4,817</td>
<td>4,817</td>
<td>4,817</td>
<td>4,817</td>
<td>4,817</td>
</tr>
<tr>
<td>134</td>
<td>0604580N</td>
<td>VIRGINIA PAYLOAD MODULE (VPM)</td>
<td>72,861</td>
<td>72,861</td>
<td>72,861</td>
<td>72,861</td>
<td>72,861</td>
</tr>
<tr>
<td>135</td>
<td>0604601N</td>
<td>MINE DEVELOPMENT</td>
<td>25,635</td>
<td>25,635</td>
<td>25,635</td>
<td>25,635</td>
<td>25,635</td>
</tr>
<tr>
<td>136</td>
<td>0604610N</td>
<td>LIGHTWEIGHT TORPEDO DEVELOPMENT</td>
<td>28,076</td>
<td>28,076</td>
<td>28,076</td>
<td>28,076</td>
<td>28,076</td>
</tr>
<tr>
<td>137</td>
<td>0604654N</td>
<td>JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT</td>
<td>7,561</td>
<td>7,561</td>
<td>7,561</td>
<td>7,561</td>
<td>7,561</td>
</tr>
<tr>
<td>139</td>
<td>0604727N</td>
<td>JOINT STANDOFF WEAPON SYSTEMS</td>
<td>435</td>
<td>435</td>
<td>435</td>
<td>435</td>
<td>435</td>
</tr>
<tr>
<td>Program Code</td>
<td>Program Name</td>
<td>Fiscal Year 2023</td>
<td>Fiscal Year 2024</td>
<td>Fiscal Year 2025</td>
<td>Fiscal Year 2026</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604755N</td>
<td>SHIP SELF DEFENSE (DETECT &amp; CONTROL)</td>
<td>161,713</td>
<td>161,713</td>
<td>164,713</td>
<td>161,713</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Ship C2 Systems for Amphibs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604756N</td>
<td>SHIP SELF DEFENSE (ENGAGE: HARD KILL)</td>
<td>212,412</td>
<td>243,412</td>
<td>212,412</td>
<td>212,412</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OTH Weapon Development</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604757N</td>
<td>SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)</td>
<td>103,391</td>
<td>103,391</td>
<td>103,391</td>
<td>103,391</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604761N</td>
<td>INTELLIGENCE ENGINEERING</td>
<td>34,855</td>
<td>34,855</td>
<td>34,855</td>
<td>34,855</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604771N</td>
<td>MEDICAL DEVELOPMENT</td>
<td>9,353</td>
<td>9,353</td>
<td>9,353</td>
<td>9,353</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604777N</td>
<td>NAVIGATION/ID SYSTEM</td>
<td>92,546</td>
<td>101,546</td>
<td>92,546</td>
<td>92,546</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Program increase</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604800M</td>
<td>JOINT STRIKE FIGHTER (JSF)—EMD</td>
<td>152,934</td>
<td>152,934</td>
<td>244,134</td>
<td>244,134</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SDD plus up</td>
<td>(91,200)</td>
<td>(91,200)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604800N</td>
<td>JOINT STRIKE FIGHTER (JSF)—EMD</td>
<td>108,931</td>
<td>108,931</td>
<td>175,631</td>
<td>175,631</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SDD plus up</td>
<td>(66,700)</td>
<td>(66,700)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604810M</td>
<td>JOINT STRIKE FIGHTER FOLLOW ON MODERNIZATION (FOM)</td>
<td>144,958</td>
<td>144,958</td>
<td>144,958</td>
<td>144,958</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MARINE CORPS.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604810N</td>
<td>JOINT STRIKE FIGHTER FOLLOW ON MODERNIZATION (FOM)</td>
<td>143,855</td>
<td>143,855</td>
<td>143,855</td>
<td>143,855</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605013M</td>
<td>INFORMATION TECHNOLOGY DEVELOPMENT</td>
<td>14,865</td>
<td>14,865</td>
<td>14,865</td>
<td>14,865</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605013N</td>
<td>INFORMATION TECHNOLOGY DEVELOPMENT</td>
<td>152,977</td>
<td>152,977</td>
<td>152,977</td>
<td>152,977</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Navy ePS consolidate requirements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NSIPS consolidate requirements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605024N</td>
<td>ANTI-TAMPER TECHNOLOGY SUPPORT</td>
<td>3,410</td>
<td>3,410</td>
<td>3,410</td>
<td>3,410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605212N</td>
<td>CH–53K ROTE</td>
<td>340,758</td>
<td>340,758</td>
<td>340,758</td>
<td>340,758</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605215N</td>
<td>MISSION PLANNING</td>
<td>33,430</td>
<td>33,430</td>
<td>33,430</td>
<td>33,430</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605217N</td>
<td>COMMON AVIONICS</td>
<td>58,163</td>
<td>58,163</td>
<td>58,163</td>
<td>58,163</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605220N</td>
<td>SHIP TO SHORE CONNECTOR (SSC)</td>
<td>22,410</td>
<td>22,410</td>
<td>22,410</td>
<td>22,410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605327N</td>
<td>T-AO 205 CLASS</td>
<td>1,961</td>
<td>1,961</td>
<td>1,961</td>
<td>1,961</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605414N</td>
<td>UNMANNED CARRIER AVIATION (UCA)</td>
<td>222,208</td>
<td>222,208</td>
<td>222,208</td>
<td>222,208</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605450N</td>
<td>JOINT AIR-TO-GROUND MISSILE (JAGM)</td>
<td>15,473</td>
<td>15,473</td>
<td>15,473</td>
<td>15,473</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605500N</td>
<td>MULTI-MISSION MARITIME AIRCRAFT (MMA)</td>
<td>11,795</td>
<td>11,795</td>
<td>11,795</td>
<td>11,795</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605504N</td>
<td>MULTI-MISSION MARITIME (MMA) INCREMENT III</td>
<td>181,731</td>
<td>181,731</td>
<td>181,731</td>
<td>181,731</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605611M</td>
<td>MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT &amp;</td>
<td>178,993</td>
<td>178,993</td>
<td>178,993</td>
<td>178,993</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DEMONSTRATION.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>163</td>
<td>0605813M</td>
<td>JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT &amp; DEMONSTRATION</td>
<td>20,710</td>
<td>20,710</td>
<td>20,710</td>
<td>-</td>
<td>20,710</td>
</tr>
<tr>
<td>164</td>
<td>0204202N</td>
<td>DDG-1000</td>
<td>140,500</td>
<td>140,500</td>
<td>90,500</td>
<td>50,000</td>
<td>140,500</td>
</tr>
<tr>
<td>168</td>
<td>0304785N</td>
<td>TACTICAL CRYPTOLOGIC SYSTEMS</td>
<td>28,311</td>
<td>28,311</td>
<td>28,311</td>
<td>0</td>
<td>28,311</td>
</tr>
<tr>
<td>170</td>
<td>0306250M</td>
<td>CYBER OPERATIONS TECHNOLOGY DEVELOPMENT</td>
<td>4,502</td>
<td>4,502</td>
<td>4,502</td>
<td>0</td>
<td>4,502</td>
</tr>
</tbody>
</table>

**SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION**

| 171  | 0604256N        | THREAT SIMULATOR DEVELOPMENT               | 91,819          | 91,819           | 91,819            | 0                 | 91,819               |
| 172  | 0604258N        | TARGET SYSTEMS DEVELOPMENT                 | 23,035          | 23,053           | 23,053            | 200               | 23,053               |
| 173  | 0604759N        | MAJOR T&E INVESTMENT                       | 52,634          | 59,634           | 65,634            | 7,000             | 65,634               |

Program increase: 7,000

| 174  | 0605126N        | JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION | 141           | 141             | 141               | 0                 | 141                  |
| 175  | 0605152N        | STUDIES AND ANALYSIS SUPPORT—NAVY           | 3,917           | 3,917           | 3,917             | 0                 | 3,917                |
| 176  | 0605154N        | CENTER FOR NAVAL ANALYSES                   | 50,432          | 50,432          | 50,432            | 0                 | 50,432               |
| 177  | 0605804N        | TECHNICAL INFORMATION SERVICES              | 782             | 782             | 782               | 0                 | 782                  |
| 180  | 0605853N        | MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT | 94,562         | 94,562          | 94,562            | 0                 | 94,562               |

Program increase: 0

| 181  | 0605856N        | STRATEGIC TECHNICAL SUPPORT                 | 4,313           | 4,313           | 4,313             | 0                 | 4,313                |
| 182  | 0605861N        | RDTE SCIENCE AND TECHNOLOGY MANAGEMENT       | 1,104           | 1,104           | 1,104             | 0                 | 1,104                |
| 183  | 0605863N        | RDTE SHIP AND AIRCRAFT SUPPORT              | 105,666         | 105,666         | 105,666           | 0                 | 105,666              |
| 184  | 0605864N        | TEST AND EVALUATION SUPPORT                 | 373,667         | 413,667        | 373,667           | 40,000            | 413,667              |

Program increase: 40,000

<p>| 185  | 0605865N        | OPERATIONAL TEST AND EVALUATION CAPABILITY  | 20,298          | 20,298         | 20,298            | 0                 | 20,298               |
| 186  | 0605866N        | NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT | 17,341        | 17,341         | 17,341            | 0                 | 17,341               |
| 188  | 0605873M        | MARINE CORPS PROGRAM WIDE SUPPORT           | 21,751          | 21,751         | 21,751            | 0                 | 21,751               |
|--------|----------------------------------------------------------------|------------|------------|------------|------------|
| 189    | MANAGEMENT HQ—R&amp;D                                             | 44,279     | 44,279     | 44,279     | 44,279     |
| 190    | WARFARE INNOVATION MANAGEMENT                                  | 28,841     | 28,841     | 28,841     | 28,841     |
| 191    | MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES)      | 1,749      | 1,749      | 1,749      | 1,749      |
| 194    | SEW SURVEILLANCE/RECONNAISSANCE SUPPORT                       | 9,408      | 9,408      | 9,408      | 9,408      |
|        | <strong>SUBTOTAL MANAGEMENT SUPPORT</strong>                                | <strong>945,757</strong>| <strong>992,757</strong>| <strong>953,257</strong>| <strong>47,000</strong> |
| 196    | OPERATIONAL SYSTEMS DEVELOPMENT                                |            |            |            |            |
| 197    | COOPERATIVE ENGAGEMENT CAPABILITY (CEC)                       | 92,571     | 103,571    | 121,571    | 11,000     |
|        | CEC IFF Mode 5 Acceleration                                   | (11,000)   | (11,000)   | (11,000)   |            |
|        | UFR: Accelerate Tactical Data Distribution Initiative           |            |            |            | (18,000)   |
| 198    | DEPLOYABLE JOINT COMMAND AND CONTROL                          | 3,137      | 3,137      | 3,137      | 3,137      |
| 199    | STRATEGIC SUB &amp; WEAPONS SYSTEM SUPPORT                         | 135,219    | 135,219    | 135,219    | 135,219    |
| 200    | SUBMARINE ACOUSTIC WARFARE DEVELOPMENT                         | 12,053     | 12,053     | 12,053     | 12,053     |
| 201    | NAVY STRATEGIC COMMUNICATIONS                                  | 18,221     | 18,221     | 18,221     | 18,221     |
| 202    | F/A–18 SQUADRONS                                              | 224,470    | 213,470    | 224,470    | –8,428     |
|        | Program reduction- delayed procurement rates                   | (–8,428)   | (–8,428)   | (–8,428)   |            |
| 204    | FLEET TELECOMMUNICATIONS (TACTICAL)                           | 33,525     | 33,525     | 33,525     | 33,525     |
| 205    | SURFACE SUPPORT                                               | 24,829     | 24,829     | 24,829     | 24,829     |
| 206    | TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)          | 133,617    | 142,617    | 133,617    | 9,000      |
|        | Tomahawk Modernization                                        | (9,000)    | (9,000)    | (9,000)    |            |
| 207    | INTEGRATED SURVEILLANCE SYSTEM                                 | 38,972     | 38,972     | 38,972     | 38,972     |
| 208    | AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT)         | 3,940      | 3,940      | 3,940      | 3,940      |
| 209    | GROUND/AIR TASK ORIENTED RADAR (GATOR)                        | 54,645     | 54,645     | 54,645     | 54,645     |
| 210    | CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT                      | 66,518     | 66,518     | 66,518     | 66,518     |
|        | Modernization of Barking Sands Tactical Underwater Range      | (10,000)   |            |            |            |
| 211    | CRYPTOLOGIC DIRECT SUPPORT                                    | 1,155      | 1,155      | 1,155      | 1,155      |
| 212    | ELECTRONIC WARFARE (EW) READINESS SUPPORT                     | 51,040     | 51,040     | 51,040     | 51,040     |
| 213    | HARM IMPROVEMENT                                              | 87,989     | 97,989     | 97,989     | 97,989     |
|        | Unfunded requirement—AARGM Derivative Program                 | (10,000)   | (10,000)   | (10,000)   |            |
| 214    | TACTICAL DATA LINKS                                            | 89,852     | 89,852     | 89,852     | 89,852     |
| 215    | SURFACE ASW COMBAT SYSTEM INTEGRATION                         | 29,351     | 29,351     | 29,351     | 29,351     |</p>
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>216</td>
<td>0205632N</td>
<td>MK-48 ADCAP</td>
<td>68,553</td>
<td>68,553</td>
<td>68,553</td>
<td></td>
<td>68,553</td>
</tr>
<tr>
<td>217</td>
<td>0205633N</td>
<td>AVIATION IMPROVEMENTS</td>
<td>119,099</td>
<td>119,099</td>
<td>119,099</td>
<td></td>
<td>119,099</td>
</tr>
<tr>
<td>219</td>
<td>0206313M</td>
<td>MARINE CORPS COMMUNICATIONS SYSTEMS</td>
<td>123,825</td>
<td>120,325</td>
<td>123,825</td>
<td></td>
<td>123,825</td>
</tr>
<tr>
<td>220</td>
<td>0206335M</td>
<td>COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S)</td>
<td>7,343</td>
<td>7,343</td>
<td>7,343</td>
<td></td>
<td>7,343</td>
</tr>
<tr>
<td>221</td>
<td>0206623M</td>
<td>MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS</td>
<td>66,009</td>
<td>66,009</td>
<td>66,009</td>
<td></td>
<td>66,009</td>
</tr>
<tr>
<td>222</td>
<td>0206624M</td>
<td>MARINE CORPS COMBAT SERVICES SUPPORT</td>
<td>25,258</td>
<td>25,258</td>
<td>25,258</td>
<td></td>
<td>25,258</td>
</tr>
<tr>
<td>223</td>
<td>0206625M</td>
<td>USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)</td>
<td>30,886</td>
<td>30,886</td>
<td>30,886</td>
<td></td>
<td>30,886</td>
</tr>
<tr>
<td>224</td>
<td>0206629M</td>
<td>AMPHIBIOUS ASSAULT VEHICLE</td>
<td>58,728</td>
<td>58,728</td>
<td>58,728</td>
<td></td>
<td>58,728</td>
</tr>
<tr>
<td>225</td>
<td>0207161N</td>
<td>TACTICAL AIM MISSILES</td>
<td>42,884</td>
<td>51,884</td>
<td>51,884</td>
<td>9,000</td>
<td>51,884</td>
</tr>
<tr>
<td>226</td>
<td>0207163N</td>
<td>ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)</td>
<td>25,364</td>
<td>25,364</td>
<td>25,364</td>
<td></td>
<td>25,364</td>
</tr>
<tr>
<td>227</td>
<td>0302138N</td>
<td>CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES)</td>
<td>24,271</td>
<td>24,271</td>
<td>24,271</td>
<td></td>
<td>24,271</td>
</tr>
<tr>
<td>228</td>
<td>0302140N</td>
<td>INFORMATION SYSTEMS SECURITY PROGRAM</td>
<td>50,269</td>
<td>50,269</td>
<td>50,269</td>
<td></td>
<td>50,269</td>
</tr>
<tr>
<td>229</td>
<td>0305922N</td>
<td>MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES</td>
<td>6,352</td>
<td>6,352</td>
<td>6,352</td>
<td></td>
<td>6,352</td>
</tr>
<tr>
<td>230</td>
<td>0305204N</td>
<td>TACTICAL UNMANNED AERIAL VEHICLES</td>
<td>7,770</td>
<td>7,770</td>
<td>7,770</td>
<td></td>
<td>7,770</td>
</tr>
<tr>
<td>231</td>
<td>0305205N</td>
<td>UAS INTEGRATION AND INTEROPERABILITY</td>
<td>39,736</td>
<td>39,736</td>
<td>39,736</td>
<td></td>
<td>39,736</td>
</tr>
<tr>
<td>232</td>
<td>0305208M</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>12,867</td>
<td>12,867</td>
<td>12,867</td>
<td></td>
<td>12,867</td>
</tr>
<tr>
<td>233</td>
<td>0305209M</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>46,150</td>
<td>46,150</td>
<td>46,150</td>
<td></td>
<td>46,150</td>
</tr>
<tr>
<td>234</td>
<td>0305210N</td>
<td>MQ-4C TRITON</td>
<td>84,115</td>
<td>84,115</td>
<td>84,115</td>
<td></td>
<td>84,115</td>
</tr>
<tr>
<td>235</td>
<td>0305231N</td>
<td>MQ-8 UAV</td>
<td>62,656</td>
<td>62,656</td>
<td>62,656</td>
<td></td>
<td>62,656</td>
</tr>
<tr>
<td>236</td>
<td>0305232M</td>
<td>RQ-11 UAV</td>
<td>2,022</td>
<td>2,022</td>
<td>2,022</td>
<td></td>
<td>2,022</td>
</tr>
<tr>
<td>237</td>
<td>0305234N</td>
<td>SMALL (LEVEL 0) TACTICAL UAS (STUASLO)</td>
<td>4,835</td>
<td>4,835</td>
<td>4,835</td>
<td></td>
<td>4,835</td>
</tr>
<tr>
<td>238</td>
<td>0305239M</td>
<td>RQ-21A</td>
<td>8,899</td>
<td>8,899</td>
<td>8,899</td>
<td></td>
<td>8,899</td>
</tr>
<tr>
<td>240</td>
<td>0305242M</td>
<td>UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)</td>
<td>18,578</td>
<td>11,478</td>
<td>18,578</td>
<td></td>
<td>18,578</td>
</tr>
<tr>
<td>Classification</td>
<td>Program</td>
<td>2016</td>
<td>2017</td>
<td>2018</td>
<td>2019</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>---------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RQ-4 MODERNIZATION</td>
<td>Program reduction</td>
<td>229,404</td>
<td>229,404</td>
<td>229,404</td>
<td>229,404</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MODELING AND SIMULATION SUPPORT</td>
<td>5,238</td>
<td>5,238</td>
<td>5,238</td>
<td>5,238</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEPOT MAINTENANCE (NON-IF)</td>
<td>38,227</td>
<td>38,227</td>
<td>38,227</td>
<td>38,227</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MARITIME TECHNOLOGY (MARITECH)</td>
<td>4,808</td>
<td>4,808</td>
<td>4,808</td>
<td>4,808</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SATELLITE COMMUNICATIONS (SPACE)</td>
<td>37,836</td>
<td>37,836</td>
<td>37,836</td>
<td>37,836</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLASSIFIED PROGRAMS</td>
<td>1,424,347</td>
<td>1,424,347</td>
<td>1,624,347</td>
<td>1,424,347</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classified project 0428</td>
<td>[200,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</td>
<td>4,040,140</td>
<td>4,067,540</td>
<td>4,288,140</td>
<td>38,572</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</td>
<td>17,735,035</td>
<td>18,071,135</td>
<td>18,113,490</td>
<td>315,730</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BASIC RESEARCH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEFENSE RESEARCH SCIENCES</td>
<td>342,919</td>
<td>342,919</td>
<td>342,919</td>
<td>342,919</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNIVERSITY RESEARCH INITIATIVES</td>
<td>147,923</td>
<td>147,923</td>
<td>147,923</td>
<td>147,923</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIGH ENERGY LASER RESEARCH INITIATIVES</td>
<td>14,417</td>
<td>14,417</td>
<td>14,417</td>
<td>14,417</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUBTOTAL BASIC RESEARCH</td>
<td>505,259</td>
<td>505,259</td>
<td>505,259</td>
<td>505,259</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>APPLIED RESEARCH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATERIALS</td>
<td>124,264</td>
<td>124,264</td>
<td>124,264</td>
<td>124,264</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEROSPACE VEHICLE TECHNOLOGIES</td>
<td>124,678</td>
<td>129,678</td>
<td>129,678</td>
<td>5,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program increase</td>
<td></td>
<td>(5,000)</td>
<td>(5,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HUMAN EFFECTIVENESS APPLIED RESEARCH</td>
<td>108,784</td>
<td>108,784</td>
<td>108,784</td>
<td>128,284</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced training environments</td>
<td></td>
<td>(25,000)</td>
<td>(19,500)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEROSPACE PROPULSION</td>
<td>192,695</td>
<td>200,195</td>
<td>200,695</td>
<td>200,195</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Educational Partnership Agreements</td>
<td></td>
<td>(5,000)</td>
<td>(5,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfunded Requirement</td>
<td></td>
<td>(2,500)</td>
<td>(2,500)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEROSPACE SENSORS</td>
<td>152,782</td>
<td>152,782</td>
<td>152,782</td>
<td>152,782</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCIENCE AND TECHNOLOGY MANAGEMENT—MAJOR HEADQUARTERS ACTIVITIES</td>
<td>8,353</td>
<td>8,353</td>
<td>8,353</td>
<td>8,353</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPACE TECHNOLOGY</td>
<td>116,503</td>
<td>116,503</td>
<td>116,503</td>
<td>116,503</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>011</td>
<td>0602602F</td>
<td>CONVENTIONAL MUNITIONS</td>
<td>112,195</td>
<td>112,195</td>
<td>112,195</td>
<td>112,195</td>
<td></td>
</tr>
<tr>
<td>012</td>
<td>0602605F</td>
<td>DIRECTED ENERGY TECHNOLOGY</td>
<td>132,993</td>
<td>141,293</td>
<td>141,293</td>
<td>8,300</td>
<td>141,293</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Unfunded Requirement</td>
<td>(8,300)</td>
<td>(8,300)</td>
<td>(8,300)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>013</td>
<td>0602788F</td>
<td>DOMINANT INFORMATION SCIENCES AND METHODS</td>
<td>167,818</td>
<td>167,818</td>
<td>167,818</td>
<td>167,818</td>
<td></td>
</tr>
<tr>
<td>014</td>
<td>0602990F</td>
<td>HIGH ENERGY LASER RESEARCH</td>
<td>43,049</td>
<td>43,049</td>
<td>43,049</td>
<td>43,049</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL APPLIED RESEARCH</td>
<td>1,284,114</td>
<td>1,304,914</td>
<td>1,330,414</td>
<td>40,300</td>
<td>1,324,414</td>
</tr>
<tr>
<td>015</td>
<td>0603112F</td>
<td>ADVANCED MATERIALS FOR WEAPON SYSTEMS</td>
<td>37,856</td>
<td>47,856</td>
<td>37,856</td>
<td>37,856</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Metals affordability research</td>
<td>(10,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>016</td>
<td>0603199F</td>
<td>SUSTAINMENT SCIENCE AND TECHNOLOGY (S&amp;T)</td>
<td>22,811</td>
<td>22,811</td>
<td>22,811</td>
<td>22,811</td>
<td></td>
</tr>
<tr>
<td>017</td>
<td>0603203F</td>
<td>ADVANCED AEROSPACE SENSORS</td>
<td>40,978</td>
<td>40,978</td>
<td>40,978</td>
<td>40,978</td>
<td></td>
</tr>
<tr>
<td>018</td>
<td>0603211F</td>
<td>AEROSPACE TECHNOLOGY DEV/DEMO</td>
<td>115,966</td>
<td>121,666</td>
<td>121,666</td>
<td>5,700</td>
<td>121,666</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Unfunded requirement</td>
<td>(5,700)</td>
<td>(5,700)</td>
<td>(5,700)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>019</td>
<td>0603216F</td>
<td>AEROSPACE PROPULSION AND POWER TECHNOLOGY</td>
<td>104,499</td>
<td>122,999</td>
<td>117,999</td>
<td>13,500</td>
<td>117,999</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Program Increase for Robust Electronical Power System</td>
<td>(5,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>0603270F</td>
<td>ELECTRONIC COMBAT TECHNOLOGY</td>
<td>60,551</td>
<td>60,551</td>
<td>65,551</td>
<td>60,551</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Software engineering capabilities</td>
<td>(5,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>021</td>
<td>0603401F</td>
<td>ADVANCED SPACECRAFT TECHNOLOGY</td>
<td>58,910</td>
<td>58,910</td>
<td>73,910</td>
<td>15,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: Commercial SSA consortia/testbed</td>
<td>(15,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Code</td>
<td>Project Description</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>---------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>028 0603260F</td>
<td>INTELLIGENCE ADVANCED DEVELOPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>030 0603742F</td>
<td>COMBAT IDENTIFICATION TECHNOLOGY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>031 0603790F</td>
<td>NATO RESEARCH AND DEVELOPMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>033 0603851F</td>
<td>INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>034 0603859F</td>
<td>POLLUTION PREVENTION—DEM/VAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>035 0604015F</td>
<td>LONG RANGE STRIKE—BOMBER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>036 0604201F</td>
<td>INTEGRATED Avionics Planning and Development</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>037 0604257F</td>
<td>ADVANCED TECHNOLOGY AND SENSORS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>038 0604288F</td>
<td>NATIONAL AIRBORNE OPS CENTER (NAOC) Recap</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>039 0604317F</td>
<td>TECHNOLOGY TRANSFER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>040 0604327F</td>
<td>HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) Program</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>041 0604414F</td>
<td>CYBER RESILIENCY OF WEAPON SYSTEMS-ACS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>044 0604776F</td>
<td>DEPLOYMENT &amp; DISTRIBUTION ENTERPRISE R&amp;D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>046 0604858F</td>
<td>TECH TRANSITION PROGRAM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>047 0605230F</td>
<td>GROUND BASED STRATEGIC DETERRENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>049 0207110F</td>
<td>NEXT GENERATION AIR DOMINANCE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>050 0207455F</td>
<td>THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>052 0305236F</td>
<td>COMMON DATA LINK EXECUTIVE AGENT (CDL EA)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT** ........................................ 794,017 828,217 833,217 19,200 813,217

**ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES**

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Project Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>028 0603260F</td>
<td>INTELLIGENCE ADVANCED DEVELOPMENT</td>
</tr>
<tr>
<td>030 0603742F</td>
<td>COMBAT IDENTIFICATION TECHNOLOGY</td>
</tr>
<tr>
<td>031 0603790F</td>
<td>NATO RESEARCH AND DEVELOPMENT</td>
</tr>
<tr>
<td>033 0603851F</td>
<td>INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL</td>
</tr>
<tr>
<td>034 0603859F</td>
<td>POLLUTION PREVENTION—DEM/VAL</td>
</tr>
<tr>
<td>035 0604015F</td>
<td>LONG RANGE STRIKE—BOMBER</td>
</tr>
<tr>
<td>036 0604201F</td>
<td>INTEGRATED Avionics Planning and Development</td>
</tr>
<tr>
<td>037 0604257F</td>
<td>ADVANCED TECHNOLOGY AND SENSORS</td>
</tr>
<tr>
<td>038 0604288F</td>
<td>NATIONAL AIRBORNE OPS CENTER (NAOC) Recap</td>
</tr>
<tr>
<td>039 0604317F</td>
<td>TECHNOLOGY TRANSFER</td>
</tr>
<tr>
<td>040 0604327F</td>
<td>HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) Program</td>
</tr>
<tr>
<td>041 0604414F</td>
<td>CYBER RESILIENCY OF WEAPON SYSTEMS-ACS</td>
</tr>
<tr>
<td>044 0604776F</td>
<td>DEPLOYMENT &amp; DISTRIBUTION ENTERPRISE R&amp;D</td>
</tr>
<tr>
<td>046 0604858F</td>
<td>TECH TRANSITION PROGRAM</td>
</tr>
<tr>
<td>047 0605230F</td>
<td>GROUND BASED STRATEGIC DETERRENT</td>
</tr>
<tr>
<td>049 0207110F</td>
<td>NEXT GENERATION AIR DOMINANCE</td>
</tr>
<tr>
<td>050 0207455F</td>
<td>THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR)</td>
</tr>
<tr>
<td>052 0305236F</td>
<td>COMMON DATA LINK EXECUTIVE AGENT (CDL EA)</td>
</tr>
</tbody>
</table>
SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>053</td>
<td>0306250F</td>
<td>CYBER OPERATIONS TECHNOLOGY DEVELOPMENT</td>
<td>316,787</td>
<td>316,787</td>
<td>316,787</td>
<td>316,787</td>
<td></td>
</tr>
<tr>
<td>054</td>
<td>0306415F</td>
<td>ENABLED CYBER ACTIVITIES</td>
<td>16,687</td>
<td>16,687</td>
<td>16,687</td>
<td>16,687</td>
<td></td>
</tr>
<tr>
<td>055</td>
<td>0408011F</td>
<td>SPECIAL TACTICS / COMBAT CONTROL</td>
<td>4,500</td>
<td>4,500</td>
<td>4,500</td>
<td>4,500</td>
<td></td>
</tr>
<tr>
<td>056</td>
<td>0901410F</td>
<td>CONTRACTING INFORMATION TECHNOLOGY SYSTEM</td>
<td>15,867</td>
<td>15,867</td>
<td>15,867</td>
<td>15,867</td>
<td></td>
</tr>
<tr>
<td>057</td>
<td>1203164F</td>
<td>NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)</td>
<td>253,939</td>
<td>263,939</td>
<td>352,439</td>
<td>10,000</td>
<td>263,939</td>
</tr>
<tr>
<td></td>
<td>UFR: Military GPS User Equipment INC2</td>
<td></td>
<td></td>
<td>(10,000)</td>
<td>(98,500)</td>
<td>(10,000)</td>
<td></td>
</tr>
<tr>
<td>058</td>
<td>1203710F</td>
<td>EO/IR WEATHER SYSTEMS</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
<td></td>
</tr>
<tr>
<td>059</td>
<td>1206422F</td>
<td>WEATHER SYSTEM FOLLOW-ON</td>
<td>112,088</td>
<td>112,088</td>
<td>112,088</td>
<td>112,088</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>1206425F</td>
<td>SPACE SITUATION AWARENESS SYSTEMS</td>
<td>34,764</td>
<td>34,764</td>
<td>34,764</td>
<td>34,764</td>
<td></td>
</tr>
<tr>
<td>061</td>
<td>1206434F</td>
<td>MIDTERM POLAR MILSATCOM SYSTEM</td>
<td>63,092</td>
<td>63,092</td>
<td>63,092</td>
<td>63,092</td>
<td></td>
</tr>
<tr>
<td>062</td>
<td>1206438F</td>
<td>SPACE CONTROL TECHNOLOGY</td>
<td>7,842</td>
<td>64,742</td>
<td>128,642</td>
<td>56,900</td>
<td>64,742</td>
</tr>
<tr>
<td></td>
<td>AF UPL</td>
<td></td>
<td></td>
<td>(56,900)</td>
<td>(113,800)</td>
<td>(56,900)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Space Enterprise Defense Implementation</td>
<td></td>
<td></td>
<td>(7,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>063</td>
<td>1206730F</td>
<td>SPACE SECURITY AND DEFENSE PROGRAM</td>
<td>41,385</td>
<td>41,385</td>
<td>41,385</td>
<td>41,385</td>
<td></td>
</tr>
<tr>
<td>064</td>
<td>1206760F</td>
<td>PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)</td>
<td>18,150</td>
<td>18,150</td>
<td>18,150</td>
<td>18,150</td>
<td></td>
</tr>
<tr>
<td>065</td>
<td>1206761F</td>
<td>PROTECTED TACTICAL SERVICE (PTS)</td>
<td>24,201</td>
<td>24,201</td>
<td>24,201</td>
<td>24,201</td>
<td></td>
</tr>
<tr>
<td>066</td>
<td>1206855F</td>
<td>PROTECTED SATCOM SERVICES (PSCS)–AGGREGATED</td>
<td>16,000</td>
<td>16,000</td>
<td>16,000</td>
<td>16,000</td>
<td></td>
</tr>
<tr>
<td>067</td>
<td>1206857F</td>
<td>OPERATIONAL RESPONSIVE SPACE</td>
<td>87,577</td>
<td>87,577</td>
<td>87,577</td>
<td>87,577</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Responsive Launch vehicles, infrastructure, and small sats</td>
<td></td>
<td></td>
<td>(30,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>4,695,530</td>
<td>5,053,530</td>
<td>5,201,263</td>
<td>325,300</td>
<td>5,020,830</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>068</td>
<td>0604200F</td>
<td>FUTURE ADVANCED WEAPON ANALYSIS &amp; PROGRAMS</td>
<td>5,100</td>
<td>5,100</td>
<td>5,100</td>
<td>5,100</td>
<td></td>
</tr>
<tr>
<td>069</td>
<td>0604201F</td>
<td>INTEGRATED AVIONICS PLANNING AND DEVELOPMENT</td>
<td>101,203</td>
<td>101,203</td>
<td>101,203</td>
<td>101,203</td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>0604222F</td>
<td>NUCLEAR WEAPONS SUPPORT</td>
<td>3,009</td>
<td>3,009</td>
<td>3,009</td>
<td>3,009</td>
<td></td>
</tr>
<tr>
<td>071</td>
<td>0604270F</td>
<td>ELECTRONIC WARFARE DEVELOPMENT</td>
<td>2,241</td>
<td>2,241</td>
<td>2,241</td>
<td>2,241</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>072</td>
<td>084</td>
<td>086</td>
<td>088</td>
<td>090</td>
<td>091</td>
</tr>
<tr>
<td>----------</td>
<td>-----------------------------------------------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>0604281F</td>
<td>TACTICAL DATA NETWORKS ENTERPRISE</td>
<td>38,250</td>
<td>38,250</td>
<td>38,250</td>
<td>38,250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604287F</td>
<td>PHYSICAL SECURITY EQUIPMENT</td>
<td>19,739</td>
<td>19,739</td>
<td>19,739</td>
<td>19,739</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604329F</td>
<td>SMALL DIAMETER BOMB (SDB)—EMD</td>
<td>38,979</td>
<td>38,979</td>
<td>38,979</td>
<td>38,979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604429F</td>
<td>AIRBORNE ELECTRONIC ATTACK</td>
<td>7,091</td>
<td>7,091</td>
<td>7,091</td>
<td>7,091</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604602F</td>
<td>ARMAMENT/ORDNANCE DEVELOPMENT</td>
<td>46,540</td>
<td>46,540</td>
<td>46,540</td>
<td>46,540</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604604F</td>
<td>SUBMUNITIONS</td>
<td>2,705</td>
<td>2,705</td>
<td>2,705</td>
<td>2,705</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604617F</td>
<td>AGILE COMBAT SUPPORT</td>
<td>31,240</td>
<td>31,240</td>
<td>31,240</td>
<td>31,240</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Joint Expeditionary Airfield Damage Repair</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604706F</td>
<td>LIFE SUPPORT SYSTEMS</td>
<td>9,060</td>
<td>9,060</td>
<td>9,060</td>
<td>9,060</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604735F</td>
<td>COMBAT TRAINING RANGES</td>
<td>87,350</td>
<td>87,350</td>
<td>87,350</td>
<td>87,350</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604800F</td>
<td>F–35—EMD</td>
<td>292,947</td>
<td>292,947</td>
<td>464,947</td>
<td>172,000</td>
<td>464,947</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SDD plus up</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604932F</td>
<td>LONG RANGE STANDOFF WEAPON</td>
<td>451,290</td>
<td>451,290</td>
<td>451,290</td>
<td>451,290</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0604933F</td>
<td>ICBM FUZE MODERNIZATION</td>
<td>178,991</td>
<td>178,991</td>
<td>178,991</td>
<td>178,991</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605030F</td>
<td>JOINT TACTICAL NETWORK CENTER (JTNC)</td>
<td>12,736</td>
<td>12,736</td>
<td>12,736</td>
<td>12,736</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605031F</td>
<td>JOINT TACTICAL NETWORK (JTN)</td>
<td>9,319</td>
<td>9,319</td>
<td>9,319</td>
<td>9,319</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605213F</td>
<td>F–22 MODERNIZATION INCREMENT 3.2B</td>
<td>13,600</td>
<td>13,600</td>
<td>13,600</td>
<td>13,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605221F</td>
<td>KC–46</td>
<td>93,845</td>
<td>93,845</td>
<td>93,845</td>
<td>93,845</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Under execution</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605223F</td>
<td>ADVANCE PILOT TRAINING</td>
<td>105,999</td>
<td>105,999</td>
<td>105,999</td>
<td>105,999</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605229F</td>
<td>COMBAT RESCUE HELICOPTER</td>
<td>354,485</td>
<td>354,485</td>
<td>354,485</td>
<td>354,485</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605458F</td>
<td>AIR &amp; SPACE OPS CENTER 10.2 RDT&amp;E</td>
<td>119,745</td>
<td>49,745</td>
<td>14,945</td>
<td>–104,800</td>
<td>14,945</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restructure of program</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0605931F</td>
<td>B–2 DEFENSIVE MANAGEMENT SYSTEM</td>
<td>194,570</td>
<td>194,570</td>
<td>194,570</td>
<td>194,570</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0101125F</td>
<td>NUCLEAR WEAPONS MODERNIZATION</td>
<td>91,237</td>
<td>91,237</td>
<td>91,237</td>
<td>91,237</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0207171F</td>
<td>F–15 EPWSS</td>
<td>209,847</td>
<td>209,847</td>
<td>209,847</td>
<td>209,847</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0207328F</td>
<td>STAND IN ATTACK WEAPON</td>
<td>3,400</td>
<td>3,400</td>
<td>3,400</td>
<td>3,400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0207701F</td>
<td>FULL COMBAT MISSION TRAINING</td>
<td>16,727</td>
<td>16,727</td>
<td>16,727</td>
<td>16,727</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0307581F</td>
<td>JSTARS RECAP</td>
<td>417,201</td>
<td>417,201</td>
<td>417,201</td>
<td>417,201</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0401310F</td>
<td>C–32 EXECUTIVE TRANSPORT RECAPITALIZATION</td>
<td>6,017</td>
<td>6,017</td>
<td>6,017</td>
<td>6,017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0401319F</td>
<td>PRESIDENTIAL AIRCRAFT RECAPITALIZATION (PAR)</td>
<td>434,069</td>
<td>434,069</td>
<td>434,069</td>
<td>434,069</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0701212F</td>
<td>AUTOMATED TEST SYSTEMS</td>
<td>18,528</td>
<td>18,528</td>
<td>18,528</td>
<td>18,528</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>113</td>
<td>1203176F</td>
<td>COMBAT SURVIVOR EVADER LOCATOR ............................................................</td>
<td>24,967</td>
<td>24,967</td>
<td>24,967</td>
<td>24,967</td>
<td></td>
</tr>
<tr>
<td>114</td>
<td>1203940F</td>
<td>SPACE SITUATION AWARENESS OPERATIONS ...................................................</td>
<td>10,029</td>
<td>10,029</td>
<td>10,029</td>
<td>10,029</td>
<td></td>
</tr>
<tr>
<td>115</td>
<td>1206421F</td>
<td>COUNTERSPACE SYSTEMS ................................................................................</td>
<td>66,370</td>
<td>66,370</td>
<td>66,370</td>
<td>66,370</td>
<td></td>
</tr>
<tr>
<td>116</td>
<td>1206425F</td>
<td>SPACE SITUATION AWARENESS SYSTEMS ................................................................</td>
<td>48,448</td>
<td>48,448</td>
<td>48,448</td>
<td>48,448</td>
<td></td>
</tr>
<tr>
<td>117</td>
<td>1206426F</td>
<td>SPACE FENCE ...................................................................................................</td>
<td>35,937</td>
<td>35,937</td>
<td>62,837</td>
<td>35,937</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: Space Fence Site 1 &amp; Ground Based Operational Surveillance System.</td>
<td></td>
<td></td>
<td></td>
<td>(26,900)</td>
<td></td>
</tr>
<tr>
<td>118</td>
<td>1206431F</td>
<td>ADVANCED EHF MILSATCOM (SPACE) ....................................................................</td>
<td>145,610</td>
<td>145,610</td>
<td>145,610</td>
<td>145,610</td>
<td></td>
</tr>
<tr>
<td>119</td>
<td>1206432F</td>
<td>POLAR MILSATCOM (SPACE) ...............................................................................</td>
<td>33,644</td>
<td>33,644</td>
<td>33,644</td>
<td>33,644</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>1206433F</td>
<td>WIDE BAND GLOBAL SATCOM (SPACE) ................................................................</td>
<td>14,263</td>
<td>14,263</td>
<td>51,263</td>
<td>14,263</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: Fix wideband Ka Anti-jam Enhancement (KAJE) (37,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>121</td>
<td>1206441F</td>
<td>SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD .............................................</td>
<td>311,844</td>
<td>311,844</td>
<td>324,644</td>
<td>311,844</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: Fix upgrades Space Based Infrared System (12,800)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>122</td>
<td>1206442F</td>
<td>EVOLVED SBIRS ................................................................................................</td>
<td>71,018</td>
<td>71,018</td>
<td>71,018</td>
<td>71,018</td>
<td></td>
</tr>
<tr>
<td>123</td>
<td>1206853F</td>
<td>EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE) – EMD .......................</td>
<td>297,572</td>
<td>297,572</td>
<td>297,572</td>
<td>297,572</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION ............................................</td>
<td>4,476,762</td>
<td>4,315,917</td>
<td>4,620,662</td>
<td>67,200</td>
<td>4,543,962</td>
</tr>
<tr>
<td>124</td>
<td>0604256F</td>
<td>THREAT SIMULATOR DEVELOPMENT ..................................................................</td>
<td>35,405</td>
<td>35,405</td>
<td>35,405</td>
<td>35,405</td>
<td></td>
</tr>
<tr>
<td>125</td>
<td>0604759F</td>
<td>MAJOR T&amp;E INVESTMENT ..................................................................................</td>
<td>82,874</td>
<td>87,874</td>
<td>102,874</td>
<td>5,000</td>
<td>87,874</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Advanced weapons system testing capabilities (15,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Unfunded requirement (5,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>126</td>
<td>0605101F</td>
<td>RAND PROJECT AIR FORCE ...............................................................................</td>
<td>34,346</td>
<td>34,346</td>
<td>34,346</td>
<td>34,346</td>
<td></td>
</tr>
<tr>
<td>127</td>
<td>0605712F</td>
<td>INITIAL OPERATIONAL TEST &amp; EVALUATION ...................................................</td>
<td>15,523</td>
<td>15,523</td>
<td>15,523</td>
<td>15,523</td>
<td></td>
</tr>
<tr>
<td>128</td>
<td>0605807F</td>
<td>TEST AND EVALUATION SUPPORT ...................................................................</td>
<td>678,289</td>
<td>739,089</td>
<td>705,689</td>
<td>57,400</td>
<td>735,689</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Program Increase (32,400)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(30,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Testing, evaluation, and certification of additional suppliers for arresting gear systems for fighter aircraft.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>ACQ WORKFORCE- GLOBAL POWER</td>
<td>219,809</td>
<td>219,809</td>
<td>219,809</td>
<td>219,809</td>
</tr>
<tr>
<td>131</td>
<td>ACQ WORKFORCE- GLOBAL VIG &amp; COMBAT SYS</td>
<td>223,179</td>
<td>223,179</td>
<td>223,179</td>
<td>223,179</td>
</tr>
<tr>
<td>133</td>
<td>ACQ WORKFORCE- CYBER, NETWORK, &amp; BUS SYS</td>
<td>221,393</td>
<td>221,393</td>
<td>221,393</td>
<td>221,393</td>
</tr>
<tr>
<td>134</td>
<td>ACQ WORKFORCE- GLOBAL BATTLE MGMT</td>
<td>152,577</td>
<td>152,577</td>
<td>152,577</td>
<td>152,577</td>
</tr>
<tr>
<td>135</td>
<td>ACQ WORKFORCE- CAPABILITY INTEGRATION</td>
<td>196,561</td>
<td>196,561</td>
<td>196,561</td>
<td>196,561</td>
</tr>
<tr>
<td>136</td>
<td>ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY</td>
<td>28,322</td>
<td>28,322</td>
<td>28,322</td>
<td>28,322</td>
</tr>
<tr>
<td>137</td>
<td>ACQ WORKFORCE- NUCLEAR SYSTEMS</td>
<td>226,611</td>
<td>226,611</td>
<td>226,611</td>
<td>226,611</td>
</tr>
<tr>
<td>138</td>
<td>ACQ WORKFORCE- CYBER, NETWORK, &amp; BUS SYS</td>
<td>138,556</td>
<td>138,556</td>
<td>138,556</td>
<td>138,556</td>
</tr>
<tr>
<td>139</td>
<td>ACQ WORKFORCE- GLOBAL VIG &amp; COMBAT SYS</td>
<td>223,179</td>
<td>223,179</td>
<td>223,179</td>
<td>223,179</td>
</tr>
<tr>
<td>140</td>
<td>ACQ WORKFORCE- GLOBAL REACH</td>
<td>138,556</td>
<td>138,556</td>
<td>138,556</td>
<td>138,556</td>
</tr>
<tr>
<td>141</td>
<td>FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT</td>
<td>28,720</td>
<td>28,720</td>
<td>28,720</td>
<td>28,720</td>
</tr>
<tr>
<td>142</td>
<td>FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT</td>
<td>35,453</td>
<td>110,453</td>
<td>135,453</td>
<td>75,000</td>
</tr>
<tr>
<td>143</td>
<td>REQUIREMENTS ANALYSIS AND MATURATION</td>
<td>29,049</td>
<td>29,049</td>
<td>29,049</td>
<td>29,049</td>
</tr>
<tr>
<td>146</td>
<td>ENTERPRISE INFORMATION SERVICES (EIS)</td>
<td>14,980</td>
<td>14,980</td>
<td>14,980</td>
<td>14,980</td>
</tr>
<tr>
<td>148</td>
<td>GENERAL SKILL TRAINING</td>
<td>1,434</td>
<td>1,434</td>
<td>1,434</td>
<td>1,434</td>
</tr>
<tr>
<td>150</td>
<td>INTERNATIONAL ACTIVITIES</td>
<td>4,569</td>
<td>4,569</td>
<td>4,569</td>
<td>4,569</td>
</tr>
<tr>
<td>151</td>
<td>SPACE TEST AND TRAINING RANGE DEVELOPMENT</td>
<td>25,773</td>
<td>25,773</td>
<td>25,773</td>
<td>25,773</td>
</tr>
<tr>
<td>152</td>
<td>SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE</td>
<td>169,887</td>
<td>169,887</td>
<td>169,887</td>
<td>169,887</td>
</tr>
<tr>
<td>153</td>
<td>SPACE &amp; MISSILE SYSTEMS CENTER—MHA</td>
<td>9,531</td>
<td>9,531</td>
<td>9,531</td>
<td>9,531</td>
</tr>
<tr>
<td>154</td>
<td>ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)</td>
<td>20,975</td>
<td>34,275</td>
<td>20,975</td>
<td>20,975</td>
</tr>
<tr>
<td>155</td>
<td>SPACE TEST PROGRAM (STP)</td>
<td>25,398</td>
<td>25,398</td>
<td>25,398</td>
<td>25,398</td>
</tr>
</tbody>
</table>

SUBTOTAL MANAGEMENT SUPPORT ........................................................... 2,663,875 2,804,675 2,824,575 137,400 2,801,275
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>157</td>
<td>0604222F</td>
<td>NUCLEAR WEAPONS SUPPORT</td>
<td>27,579</td>
<td>27,579</td>
<td>27,579</td>
<td></td>
<td>27,579</td>
</tr>
<tr>
<td>158</td>
<td>0604233F</td>
<td>SPECIALIZED UNDERGRADUATE FLIGHT TRAINING</td>
<td>5,776</td>
<td>5,776</td>
<td>5,776</td>
<td></td>
<td>5,776</td>
</tr>
<tr>
<td>159</td>
<td>0604445F</td>
<td>WIDE AREA SURVEILLANCE</td>
<td>16,247</td>
<td>16,247</td>
<td>16,247</td>
<td></td>
<td>16,247</td>
</tr>
<tr>
<td>161</td>
<td>0605018F</td>
<td>AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS)</td>
<td>21,915</td>
<td>21,915</td>
<td></td>
<td></td>
<td>21,915</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consolidate requirements</td>
<td>(-21,915)</td>
<td></td>
<td></td>
<td></td>
<td>(-21,915)</td>
</tr>
<tr>
<td>162</td>
<td>0605024F</td>
<td>ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY</td>
<td>33,150</td>
<td>33,150</td>
<td>33,150</td>
<td></td>
<td>33,150</td>
</tr>
<tr>
<td>163</td>
<td>0605117F</td>
<td>FOREIGN MATERIEL ACQUISITION AND EXPLOITATION</td>
<td>66,653</td>
<td>66,653</td>
<td>66,653</td>
<td></td>
<td>66,653</td>
</tr>
<tr>
<td>164</td>
<td>0605278F</td>
<td>HC/MC-130 Recap RDT&amp;E</td>
<td>38,579</td>
<td>38,579</td>
<td>38,579</td>
<td></td>
<td>38,579</td>
</tr>
<tr>
<td>165</td>
<td>0606018F</td>
<td>NC3 INTEGRATION</td>
<td>12,636</td>
<td>12,636</td>
<td>12,636</td>
<td></td>
<td>12,636</td>
</tr>
<tr>
<td>166</td>
<td>0101111F</td>
<td>B-52 SQUADRONS</td>
<td>111,910</td>
<td>111,910</td>
<td>111,910</td>
<td></td>
<td>111,910</td>
</tr>
<tr>
<td>167</td>
<td>0101122F</td>
<td>AIR-LAUNCHED CRUISE MISSILE (ALCM)</td>
<td>463</td>
<td>463</td>
<td>463</td>
<td></td>
<td>463</td>
</tr>
<tr>
<td>168</td>
<td>0101126F</td>
<td>B-1B SQUADRONS</td>
<td>62,471</td>
<td>62,471</td>
<td>62,471</td>
<td></td>
<td>62,471</td>
</tr>
<tr>
<td>170</td>
<td>0101213F</td>
<td>MINUTEMAN SQUADRONS</td>
<td>210,845</td>
<td>210,845</td>
<td>210,845</td>
<td></td>
<td>210,845</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Increase ICBM Cryptography Upgrade II</td>
<td></td>
<td></td>
<td>(20,000)</td>
<td></td>
<td>(20,000)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reduce MM Ground and Communications Equipment</td>
<td>(-10,000)</td>
<td></td>
<td>(-10,000)</td>
<td></td>
<td>(-10,000)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reduce MM Support Equipment</td>
<td>(-10,000)</td>
<td></td>
<td></td>
<td></td>
<td>(-10,000)</td>
</tr>
<tr>
<td>171</td>
<td>0101313F</td>
<td>INTEGRATED STRATEGIC PLANNING AND ANALYSIS NETWORK (ISPLAN) USSTRATCOM</td>
<td>25,736</td>
<td>25,736</td>
<td>25,736</td>
<td></td>
<td>25,736</td>
</tr>
<tr>
<td>173</td>
<td>0101315F</td>
<td>WORLDWIDE JOINT STRATEGIC COMMUNICATIONS</td>
<td>6,272</td>
<td>70,272</td>
<td>4,000</td>
<td></td>
<td>10,272</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Enhances E-4B cyber security</td>
<td>(64,000)</td>
<td></td>
<td></td>
<td></td>
<td>(64,000)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: NC3—Global Assured Communications CBA Execution</td>
<td>(4,000)</td>
<td></td>
<td></td>
<td></td>
<td>(4,000)</td>
</tr>
<tr>
<td>174</td>
<td>0101324F</td>
<td>INTEGRATED STRATEGIC PLANNING &amp; ANALYSIS NETWORK</td>
<td>11,032</td>
<td>11,032</td>
<td>11,032</td>
<td></td>
<td>11,032</td>
</tr>
<tr>
<td>176</td>
<td>0102105F</td>
<td>UH-IN REPLACEMENT PROGRAM</td>
<td>108,617</td>
<td>108,617</td>
<td>108,617</td>
<td></td>
<td>108,617</td>
</tr>
<tr>
<td>177</td>
<td>0102325F</td>
<td>REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION PROGRAM</td>
<td>3,347</td>
<td>3,347</td>
<td>3,347</td>
<td></td>
<td>3,347</td>
</tr>
<tr>
<td>Page</td>
<td>Description</td>
<td>2013</td>
<td>2014</td>
<td>2015</td>
<td>2016</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>179</td>
<td>MQ-9 UAV</td>
<td>201,394</td>
<td>201,394</td>
<td>201,394</td>
<td>201,394</td>
<td></td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>A-10 SQUADRONS</td>
<td>17,459</td>
<td>17,459</td>
<td>17,459</td>
<td>17,459</td>
<td></td>
<td></td>
</tr>
<tr>
<td>181</td>
<td>F-16 SQUADRONS</td>
<td>246,578</td>
<td>271,578</td>
<td>271,578</td>
<td>25,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—MIDS-JTRS software changes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>182</td>
<td>F-15E SQUADRONS</td>
<td>320,271</td>
<td>320,271</td>
<td>320,271</td>
<td>320,271</td>
<td></td>
<td></td>
</tr>
<tr>
<td>183</td>
<td>MANNED DESTRUCTIVE SUPPRESSION</td>
<td>15,106</td>
<td>34,530</td>
<td>34,530</td>
<td>334,530</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HTS pod block upgrade program</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>184</td>
<td>F-22A SQUADRONS</td>
<td>610,942</td>
<td>610,942</td>
<td>610,942</td>
<td>610,942</td>
<td></td>
<td></td>
</tr>
<tr>
<td>185</td>
<td>F-35 SQUADRONS</td>
<td>320,271</td>
<td>320,271</td>
<td>320,271</td>
<td>320,271</td>
<td></td>
<td></td>
</tr>
<tr>
<td>186</td>
<td>TACTICAL AIM MISSILES</td>
<td>34,952</td>
<td>34,952</td>
<td>54,952</td>
<td>20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pulsed rocket motor technologies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>187</td>
<td>ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)</td>
<td>61,322</td>
<td>61,322</td>
<td>61,322</td>
<td>61,322</td>
<td></td>
<td></td>
</tr>
<tr>
<td>188</td>
<td>COMBAT RESCUE—PARARESCUE</td>
<td>693</td>
<td>693</td>
<td>693</td>
<td>693</td>
<td></td>
<td></td>
</tr>
<tr>
<td>189</td>
<td>PRECISION ATTACK SYSTEMS PROCUREMENT</td>
<td>1,714</td>
<td>1,714</td>
<td>1,714</td>
<td>1,714</td>
<td></td>
<td></td>
</tr>
<tr>
<td>190</td>
<td>COMPASS CALL</td>
<td>14,040</td>
<td>14,040</td>
<td>34,240</td>
<td>14,040</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Baseline 3 (BL3) Advanced Radar Countermeasure System</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>191</td>
<td>AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM</td>
<td>109,243</td>
<td>109,243</td>
<td>109,243</td>
<td>109,243</td>
<td></td>
<td></td>
</tr>
<tr>
<td>192</td>
<td>JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)</td>
<td>29,932</td>
<td>29,932</td>
<td>29,932</td>
<td>29,932</td>
<td></td>
<td></td>
</tr>
<tr>
<td>193</td>
<td>AIR &amp; SPACE OPERATIONS CENTER (AOC)</td>
<td>26,956</td>
<td>26,956</td>
<td>26,956</td>
<td>26,956</td>
<td></td>
<td></td>
</tr>
<tr>
<td>194</td>
<td>CONTROL AND REPORTING CENTER (CRC)</td>
<td>2,450</td>
<td>2,450</td>
<td>2,450</td>
<td>2,450</td>
<td></td>
<td></td>
</tr>
<tr>
<td>195</td>
<td>AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)</td>
<td>151,726</td>
<td>151,726</td>
<td>151,726</td>
<td>151,726</td>
<td></td>
<td></td>
</tr>
<tr>
<td>196</td>
<td>TACTICAL AIRBORNE CONTROL SYSTEMS</td>
<td>3,656</td>
<td>3,656</td>
<td>3,656</td>
<td>3,656</td>
<td></td>
<td></td>
</tr>
<tr>
<td>197</td>
<td>COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES</td>
<td>13,420</td>
<td>13,420</td>
<td>13,420</td>
<td>13,420</td>
<td></td>
<td></td>
</tr>
<tr>
<td>198</td>
<td>TACTICAL AIR CONTROL PARTY-MOD</td>
<td>10,623</td>
<td>10,623</td>
<td>10,623</td>
<td>10,623</td>
<td></td>
<td></td>
</tr>
<tr>
<td>199</td>
<td>C2ISR TACTICAL DATA LINK</td>
<td>1,754</td>
<td>1,754</td>
<td>1,754</td>
<td>1,754</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>DCAFS</td>
<td>17,382</td>
<td>17,382</td>
<td>17,382</td>
<td>17,382</td>
<td></td>
<td></td>
</tr>
<tr>
<td>202</td>
<td>SEEK EAGLE</td>
<td>25,397</td>
<td>25,397</td>
<td>25,397</td>
<td>25,397</td>
<td></td>
<td></td>
</tr>
<tr>
<td>203</td>
<td>USAF MODELING AND SIMULATION</td>
<td>10,175</td>
<td>10,175</td>
<td>10,175</td>
<td>10,175</td>
<td></td>
<td></td>
</tr>
<tr>
<td>204</td>
<td>WARGAMING AND SIMULATION CENTERS</td>
<td>12,839</td>
<td>12,839</td>
<td>12,839</td>
<td>12,839</td>
<td></td>
<td></td>
</tr>
<tr>
<td>205</td>
<td>DISTRIBUTED TRAINING AND EXERCISES</td>
<td>4,190</td>
<td>4,190</td>
<td>4,190</td>
<td>4,190</td>
<td></td>
<td></td>
</tr>
<tr>
<td>206</td>
<td>MISSION PLANNING SYSTEMS</td>
<td>85,531</td>
<td>85,531</td>
<td>85,531</td>
<td>85,531</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>-------------------</td>
<td>------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>213</td>
<td>0208007F</td>
<td>TACTICAL DECEPTION</td>
<td>3,761</td>
<td>3,761</td>
<td>3,761</td>
<td>-21,100</td>
<td>3,761</td>
</tr>
<tr>
<td>214</td>
<td>0208087F</td>
<td>AF OFFENSIVE CYBERSPACE OPERATIONS</td>
<td>35,693</td>
<td>35,693</td>
<td>35,693</td>
<td>-21,100</td>
<td>35,693</td>
</tr>
<tr>
<td>215</td>
<td>0208088F</td>
<td>AF DEFENSIVE CYBERSPACE OPERATIONS</td>
<td>20,964</td>
<td>20,964</td>
<td>20,964</td>
<td>-21,100</td>
<td>20,964</td>
</tr>
<tr>
<td>218</td>
<td>0301017F</td>
<td>GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)</td>
<td>3,549</td>
<td>3,549</td>
<td>3,549</td>
<td>-21,100</td>
<td>3,549</td>
</tr>
<tr>
<td>219</td>
<td>0301112F</td>
<td>NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)</td>
<td>4,371</td>
<td>4,371</td>
<td>4,371</td>
<td>-21,100</td>
<td>4,371</td>
</tr>
<tr>
<td>227</td>
<td>0301401F</td>
<td>AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS</td>
<td>3,721</td>
<td>3,721</td>
<td>3,721</td>
<td>-21,100</td>
<td>3,721</td>
</tr>
<tr>
<td>228</td>
<td>0302015F</td>
<td>E–4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)</td>
<td>35,467</td>
<td>35,467</td>
<td>35,467</td>
<td>-21,100</td>
<td>35,467</td>
</tr>
<tr>
<td>230</td>
<td>0303131F</td>
<td>MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)</td>
<td>48,841</td>
<td>59,841</td>
<td>48,841</td>
<td>(1,000)</td>
<td>48,841</td>
</tr>
</tbody>
</table>

Requested transfer: Global ASNT Incr 2 and CVR

VerDate Sep 11 2014 13:58 Nov 07, 2017 Jkt 000000 PO 00000 Frm 00094 Fmt 6659 Sfmt 6602 C:\DOD_CONFERENCE_TABLES_2018\ORIGINAL_TABLES\TEMP\L_COMBINED.LOC

November 7, 2017 (1:25 p.m.)

DSK79H1C42 with DEFAULT_TEST
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Base</th>
<th>ED</th>
<th>FF</th>
<th>FY17</th>
<th>FY18</th>
</tr>
</thead>
<tbody>
<tr>
<td>0305206F</td>
<td>AIRBORNE RECONNAISSANCE SYSTEMS</td>
<td>4,450</td>
<td>17,250</td>
<td>4,450</td>
<td>10,000</td>
<td>14,450</td>
</tr>
<tr>
<td></td>
<td>WAMI Technology Upgrades</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0305207F</td>
<td>MANNED RECONNAISSANCE SYSTEMS</td>
<td>14,269</td>
<td>14,269</td>
<td>14,269</td>
<td>14,269</td>
<td></td>
</tr>
<tr>
<td>0305208F</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>27,501</td>
<td>39,001</td>
<td>27,501</td>
<td>27,501</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0305220F</td>
<td>RQ-4 UAV</td>
<td>214,849</td>
<td>214,849</td>
<td>214,849</td>
<td>214,849</td>
<td></td>
</tr>
<tr>
<td>0305221F</td>
<td>NETWORK-CENTRIC COLLABORATIVE TARGETING</td>
<td>18,842</td>
<td>18,842</td>
<td>18,842</td>
<td>18,842</td>
<td></td>
</tr>
<tr>
<td>0305238F</td>
<td>NATO AGS</td>
<td>44,729</td>
<td>44,729</td>
<td>44,729</td>
<td>44,729</td>
<td></td>
</tr>
<tr>
<td>0305240F</td>
<td>SUPPORT TO DCGS ENTERPRISE</td>
<td>26,349</td>
<td>26,349</td>
<td>26,349</td>
<td>26,349</td>
<td></td>
</tr>
<tr>
<td>0305600F</td>
<td>INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES</td>
<td>3,491</td>
<td>3,491</td>
<td>3,491</td>
<td>3,491</td>
<td></td>
</tr>
<tr>
<td>0305881F</td>
<td>RAPID CYBER ACQUISITION</td>
<td>4,899</td>
<td>4,899</td>
<td>4,899</td>
<td>4,899</td>
<td></td>
</tr>
<tr>
<td>0305984F</td>
<td>PERSONNEL RECOVERY COMMAND &amp; CTRL (PRC2)</td>
<td>2,445</td>
<td>2,445</td>
<td>2,445</td>
<td>2,445</td>
<td></td>
</tr>
<tr>
<td>0307577F</td>
<td>INTELLIGENCE MISSION DATA (IMD)</td>
<td>8,684</td>
<td>8,684</td>
<td>8,684</td>
<td>8,684</td>
<td></td>
</tr>
<tr>
<td>0401115F</td>
<td>C-130 AIRLIFT SQUADRON</td>
<td>10,219</td>
<td>10,219</td>
<td>10,219</td>
<td>10,219</td>
<td></td>
</tr>
<tr>
<td>0401119F</td>
<td>C-5 AIRLIFT SQUADRONS (IF)</td>
<td>22,758</td>
<td>22,758</td>
<td>22,758</td>
<td>22,758</td>
<td></td>
</tr>
<tr>
<td>0401130F</td>
<td>C-17 AIRCRAFT (IF)</td>
<td>34,287</td>
<td>34,287</td>
<td>34,287</td>
<td>34,287</td>
<td></td>
</tr>
<tr>
<td>0401132F</td>
<td>C-130 PROGRAM</td>
<td>26,821</td>
<td>26,821</td>
<td>20,421</td>
<td>26,821</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Available prior year funds</td>
<td></td>
<td></td>
<td>[-6,400]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0401134F</td>
<td>LARGE AIRCRAFT IR COUNTERMEASURES (LARCM)</td>
<td>5,283</td>
<td>5,283</td>
<td>5,283</td>
<td>5,283</td>
<td></td>
</tr>
<tr>
<td>0401218F</td>
<td>KC-135S</td>
<td>9,942</td>
<td>9,942</td>
<td>9,942</td>
<td>9,942</td>
<td></td>
</tr>
<tr>
<td>0401219F</td>
<td>KC-10S</td>
<td>7,933</td>
<td>7,933</td>
<td>7,933</td>
<td>7,933</td>
<td></td>
</tr>
<tr>
<td>0401314F</td>
<td>OPERATIONAL SUPPORT AIRLIFT</td>
<td>6,681</td>
<td>6,681</td>
<td>6,681</td>
<td>6,681</td>
<td></td>
</tr>
<tr>
<td>0401318F</td>
<td>CV-22</td>
<td>22,519</td>
<td>36,519</td>
<td>36,519</td>
<td>36,519</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—common electrical interface</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unfunded requirement—intelligence broadcast system</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0401840F</td>
<td>AMC COMMAND AND CONTROL SYSTEM</td>
<td>3,510</td>
<td>3,510</td>
<td>3,510</td>
<td>3,510</td>
<td></td>
</tr>
<tr>
<td>0408011F</td>
<td>SPECIAL TACTICS / COMBAT CONTROL</td>
<td>8,090</td>
<td>8,090</td>
<td>8,090</td>
<td>8,090</td>
<td></td>
</tr>
<tr>
<td>0702207F</td>
<td>DEPOT MAINTENANCE (NON-IF)</td>
<td>1,528</td>
<td>1,528</td>
<td>1,528</td>
<td>1,528</td>
<td></td>
</tr>
<tr>
<td>0708055F</td>
<td>MAINTENANCE, REPAIR &amp; OVERHAUL SYSTEM</td>
<td>31,677</td>
<td>31,677</td>
<td>31,677</td>
<td>31,677</td>
<td></td>
</tr>
<tr>
<td>0708610F</td>
<td>LOGISTICS INFORMATION TECHNOLOGY (LOGIT)</td>
<td>33,344</td>
<td>33,344</td>
<td>33,344</td>
<td>33,344</td>
<td></td>
</tr>
<tr>
<td>0708611F</td>
<td>SUPPORT SYSTEMS DEVELOPMENT</td>
<td>9,362</td>
<td>9,362</td>
<td>9,362</td>
<td>9,362</td>
<td></td>
</tr>
<tr>
<td>0804743F</td>
<td>OTHER FLIGHT TRAINING</td>
<td>2,074</td>
<td>2,074</td>
<td>2,074</td>
<td>2,074</td>
<td></td>
</tr>
</tbody>
</table>
## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>294</td>
<td>0808716F</td>
<td>OTHER PERSONNEL ACTIVITIES</td>
<td>107</td>
<td>107</td>
<td>107</td>
<td>107</td>
<td>107</td>
</tr>
<tr>
<td>295</td>
<td>0901202F</td>
<td>JOINT PERSONNEL RECOVERY AGENCY</td>
<td>2,006</td>
<td>2,006</td>
<td>2,006</td>
<td>2,006</td>
<td>2,006</td>
</tr>
<tr>
<td>296</td>
<td>0901218F</td>
<td>CIVILIAN COMPENSATION PROGRAM</td>
<td>3,780</td>
<td>3,780</td>
<td>3,780</td>
<td>3,780</td>
<td>3,780</td>
</tr>
<tr>
<td>297</td>
<td>0901220F</td>
<td>PERSONNEL ADMINISTRATION</td>
<td>7,472</td>
<td>7,472</td>
<td>7,472</td>
<td>7,472</td>
<td>7,472</td>
</tr>
<tr>
<td>298</td>
<td>0901226F</td>
<td>AIR FORCE STUDIES AND ANALYSIS AGENCY</td>
<td>1,563</td>
<td>1,563</td>
<td>1,563</td>
<td>1,563</td>
<td>1,563</td>
</tr>
<tr>
<td>299</td>
<td>0901538F</td>
<td>FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT</td>
<td>91,211</td>
<td>91,211</td>
<td>91,211</td>
<td>91,211</td>
<td>91,211</td>
</tr>
<tr>
<td>300</td>
<td>1201921F</td>
<td>SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES</td>
<td>14,255</td>
<td>14,255</td>
<td>14,255</td>
<td>14,255</td>
<td>14,255</td>
</tr>
<tr>
<td>301</td>
<td>1202247F</td>
<td>AF TENCAP</td>
<td>31,914</td>
<td>31,914</td>
<td>31,914</td>
<td>31,914</td>
<td>31,914</td>
</tr>
<tr>
<td>302</td>
<td>1203001F</td>
<td>FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)</td>
<td>32,426</td>
<td>32,426</td>
<td>32,426</td>
<td>32,426</td>
<td>32,426</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AF UPL—FAB-T testing activities</td>
<td></td>
<td></td>
<td></td>
<td>(7,400)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>AF UPL—POTUS voice conference configuration</td>
<td></td>
<td></td>
<td></td>
<td>(31,900)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>AF UPL—spares for testing</td>
<td></td>
<td></td>
<td></td>
<td>(6,600)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>AF UPL—spares for testing</td>
<td></td>
<td></td>
<td></td>
<td>(12,500)</td>
<td></td>
</tr>
<tr>
<td>303</td>
<td>1203110F</td>
<td>SATELLITE CONTROL NETWORK (SPACE)</td>
<td>18,808</td>
<td>21,308</td>
<td>18,808</td>
<td>18,808</td>
<td>18,808</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Program increase</td>
<td>(2,500)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>304</td>
<td>1203115F</td>
<td>NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS)</td>
<td>10,029</td>
<td>10,029</td>
<td>10,029</td>
<td>10,029</td>
<td>10,029</td>
</tr>
<tr>
<td>305</td>
<td>1203173F</td>
<td>SPACE AND MISSILE TEST AND EVALUATION CENTER</td>
<td>25,051</td>
<td>25,051</td>
<td>25,051</td>
<td>25,051</td>
<td>25,051</td>
</tr>
<tr>
<td>306</td>
<td>1203174F</td>
<td>SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT</td>
<td>11,390</td>
<td>11,390</td>
<td>11,390</td>
<td>11,390</td>
<td>11,390</td>
</tr>
<tr>
<td>307</td>
<td>1203175F</td>
<td>INTEGRATED BROADCAST SERVICE (IBS)</td>
<td>8,747</td>
<td>8,747</td>
<td>8,747</td>
<td>8,747</td>
<td>8,747</td>
</tr>
<tr>
<td>308</td>
<td>1203182F</td>
<td>SPACELIFT RANGE SYSTEM (SPACE)</td>
<td>10,549</td>
<td>10,549</td>
<td>10,549</td>
<td>10,549</td>
<td>10,549</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UFR: GPS satellite simulator (GSS)</td>
<td></td>
<td></td>
<td></td>
<td>(40,300)</td>
<td></td>
</tr>
<tr>
<td>310</td>
<td>1203400F</td>
<td>SPACE SUPERIORITY INTELLIGENCE</td>
<td>12,691</td>
<td>12,691</td>
<td>12,691</td>
<td>12,691</td>
<td>12,691</td>
</tr>
<tr>
<td>311</td>
<td>1203614F</td>
<td>JSPOC MISSION SYSTEM</td>
<td>99,455</td>
<td>123,705</td>
<td>147,955</td>
<td>24,250</td>
<td>123,705</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AF UPL—BMC2 software</td>
<td>[24,250]</td>
<td>[48,500]</td>
<td>[24,250]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>312</td>
<td>1203620F</td>
<td>NATIONAL SPACE DEFENSE CENTER</td>
<td>18,052</td>
<td>18,052</td>
<td>86,052</td>
<td>18,052</td>
<td>18,052</td>
</tr>
<tr>
<td>Account</td>
<td>Description</td>
<td>Budget</td>
<td>Budget</td>
<td>Budget</td>
<td>Budget</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>314</td>
<td>UFR: Fix Enterprise Space BMC2</td>
<td>1,373</td>
<td>1,373</td>
<td>1,373</td>
<td>1,373</td>
<td></td>
<td></td>
</tr>
<tr>
<td>315</td>
<td>UFR: Global Positioning System III—Operational Control Segment</td>
<td>5,000</td>
<td>5,000</td>
<td>5,000</td>
<td>5,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>316</td>
<td>NUDET Detection System (Space)</td>
<td>31,508</td>
<td>31,508</td>
<td>31,508</td>
<td>31,508</td>
<td></td>
<td></td>
</tr>
<tr>
<td>317</td>
<td>Space Situation Awareness Operations</td>
<td>99,984</td>
<td>99,984</td>
<td>99,984</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Space Fence Site 1 &amp; Ground Based Operational Surveillance System.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>318</td>
<td>UFR: Space Fence Site 1 &amp; Ground Based Operational Surveillance System.</td>
<td>510,938</td>
<td>510,938</td>
<td>510,938</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>318A</td>
<td>CLASSIFIED PROGRAMS</td>
<td>15,103,246</td>
<td>15,139,246</td>
<td>15,103,246</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Program increase</td>
<td>(36,000)</td>
<td>(36,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</td>
<td>20,750,546</td>
<td>21,036,496</td>
<td>21,079,031</td>
<td>97,250</td>
<td>20,847,796</td>
<td></td>
</tr>
<tr>
<td>319</td>
<td>UNDISTRIBUTED</td>
<td>-195,900</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bomber Modernization—Excess to Need</td>
<td>-195,900</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td>-195,900</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF</td>
<td>35,170,103</td>
<td>35,653,108</td>
<td>36,394,421</td>
<td>686,650</td>
<td>35,856,753</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>001</td>
<td>DTRA Basic Research</td>
<td>37,201</td>
<td>37,201</td>
<td>37,201</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>Defense Research Sciences</td>
<td>432,347</td>
<td>432,347</td>
<td>432,347</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>003</td>
<td>Basic Research Initiatives</td>
<td>40,612</td>
<td>40,612</td>
<td>40,612</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>004</td>
<td>Basic Operational Medical Research Science</td>
<td>43,126</td>
<td>43,126</td>
<td>43,126</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>005</td>
<td>National Defense Education Program</td>
<td>74,298</td>
<td>74,298</td>
<td>99,298</td>
<td>14,000</td>
<td>88,298</td>
<td></td>
</tr>
<tr>
<td>006</td>
<td>Historically Black Colleges and Universities/Minority Institutions</td>
<td>25,865</td>
<td>40,000</td>
<td>39,865</td>
<td>14,135</td>
<td>40,000</td>
<td></td>
</tr>
<tr>
<td>007</td>
<td>Chemical and Biological Defense Program</td>
<td>43,898</td>
<td>43,898</td>
<td>43,898</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

**(In Thousands of Dollars)**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Request</td>
<td>Authorized</td>
<td>Authorized</td>
<td></td>
<td>Authorized</td>
</tr>
<tr>
<td>008</td>
<td>0602000D8Z</td>
<td></td>
<td>19,111</td>
<td>19,111</td>
<td>19,111</td>
<td></td>
<td>19,111</td>
</tr>
<tr>
<td>009</td>
<td>0602115E</td>
<td></td>
<td>109,360</td>
<td>109,360</td>
<td>109,360</td>
<td></td>
<td>109,360</td>
</tr>
<tr>
<td>011</td>
<td>0602234D8Z</td>
<td></td>
<td>49,748</td>
<td>49,748</td>
<td>49,748</td>
<td></td>
<td>49,748</td>
</tr>
<tr>
<td>012</td>
<td>0602251D8Z</td>
<td></td>
<td>49,226</td>
<td>49,226</td>
<td>49,226</td>
<td></td>
<td>49,226</td>
</tr>
<tr>
<td>013</td>
<td>0602303E</td>
<td></td>
<td>392,784</td>
<td>392,784</td>
<td>392,784</td>
<td></td>
<td>392,784</td>
</tr>
<tr>
<td>014</td>
<td>0602383E</td>
<td></td>
<td>13,014</td>
<td>13,014</td>
<td>13,014</td>
<td></td>
<td>13,014</td>
</tr>
<tr>
<td>015</td>
<td>0602384BP</td>
<td></td>
<td>201,053</td>
<td>201,053</td>
<td>201,053</td>
<td></td>
<td>201,053</td>
</tr>
<tr>
<td>016</td>
<td>060268D08E</td>
<td></td>
<td>14,775</td>
<td>14,775</td>
<td>14,775</td>
<td></td>
<td>14,775</td>
</tr>
<tr>
<td>017</td>
<td>0602702E</td>
<td></td>
<td>343,776</td>
<td>343,776</td>
<td>328,776</td>
<td>–15,000</td>
<td>328,776</td>
</tr>
<tr>
<td>018</td>
<td>0602715E</td>
<td></td>
<td>224,440</td>
<td>224,440</td>
<td>224,440</td>
<td></td>
<td>224,440</td>
</tr>
<tr>
<td>020</td>
<td>0602717BR</td>
<td></td>
<td>157,908</td>
<td>157,908</td>
<td>157,908</td>
<td></td>
<td>157,908</td>
</tr>
<tr>
<td>021</td>
<td>0602751D8Z</td>
<td></td>
<td>8,955</td>
<td>8,955</td>
<td>8,955</td>
<td></td>
<td>8,955</td>
</tr>
<tr>
<td>022</td>
<td>1160401BB</td>
<td></td>
<td>34,493</td>
<td>34,493</td>
<td>34,493</td>
<td></td>
<td>34,493</td>
</tr>
<tr>
<td>023</td>
<td>0603000D8Z</td>
<td></td>
<td>25,627</td>
<td>25,627</td>
<td>25,627</td>
<td></td>
<td>25,627</td>
</tr>
<tr>
<td>024</td>
<td>0603122D8Z</td>
<td></td>
<td>76,230</td>
<td>81,230</td>
<td>76,230</td>
<td>3,000</td>
<td>79,230</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>025</td>
<td>0603133D8Z</td>
<td></td>
<td>24,199</td>
<td>24,199</td>
<td>24,199</td>
<td></td>
<td>24,199</td>
</tr>
</tbody>
</table>

**SUBTOTAL APPLIED RESEARCH** ........................................................................... 1,914,090 1,914,090 1,889,090 –15,000 1,899,090

**ADVANCED TECHNOLOGY DEVELOPMENT**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>023</td>
<td>0603000D8Z</td>
<td></td>
<td>25,627</td>
<td>25,627</td>
<td>25,627</td>
<td></td>
<td>25,627</td>
</tr>
<tr>
<td>024</td>
<td>0603122D8Z</td>
<td></td>
<td>76,230</td>
<td>81,230</td>
<td>76,230</td>
<td>3,000</td>
<td>79,230</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>025</td>
<td>0603133D8Z</td>
<td></td>
<td>24,199</td>
<td>24,199</td>
<td>24,199</td>
<td></td>
<td>24,199</td>
</tr>
</tbody>
</table>

**TOTAL** …………………………………………………………………………………………… 697,347 711,482 736,347 28,135 725,482
<table>
<thead>
<tr>
<th>Project Number</th>
<th>Description</th>
<th>Budget 2017</th>
<th>Budget 2017</th>
<th>Budget 2017</th>
<th>Budget 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>026 0603160BR</td>
<td>COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>268,607</td>
<td>268,607</td>
<td>268,607</td>
<td>268,607</td>
</tr>
<tr>
<td>027 0603176C</td>
<td>ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT</td>
<td>12,996</td>
<td>12,996</td>
<td>12,996</td>
<td>12,996</td>
</tr>
<tr>
<td>029 0603178C</td>
<td>WEAPONS TECHNOLOGY</td>
<td>5,495</td>
<td>5,495</td>
<td>5,495</td>
<td>5,495</td>
</tr>
<tr>
<td>031 0603210C</td>
<td>ADVANCED RESEARCH</td>
<td>20,184</td>
<td>20,184</td>
<td>20,184</td>
<td>20,184</td>
</tr>
<tr>
<td>032 0603225D</td>
<td>JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT</td>
<td>18,662</td>
<td>18,662</td>
<td>18,662</td>
<td>18,662</td>
</tr>
<tr>
<td>035 0603266E</td>
<td>ADVANCED AEROSPACE SYSTEMS</td>
<td>155,406</td>
<td>155,406</td>
<td>155,406</td>
<td>155,406</td>
</tr>
<tr>
<td>036 0603287E</td>
<td>SPACE PROGRAMS AND TECHNOLOGY</td>
<td>247,435</td>
<td>247,435</td>
<td>247,435</td>
<td>247,435</td>
</tr>
<tr>
<td>037 0603288D</td>
<td>ANALYTIC ASSESSMENTS</td>
<td>13,154</td>
<td>13,154</td>
<td>8,154</td>
<td>13,154</td>
</tr>
<tr>
<td>038 0603290D</td>
<td>ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS</td>
<td>37,674</td>
<td>26,539</td>
<td>37,674</td>
<td>37,674</td>
</tr>
<tr>
<td>039 0603291D</td>
<td>ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS—MHA</td>
<td>15,000</td>
<td>15,000</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>040 0603294C</td>
<td>COMMON KILL VEHICLE TECHNOLOGY</td>
<td>252,879</td>
<td>252,879</td>
<td>252,879</td>
<td>252,879</td>
</tr>
<tr>
<td>041 0603320D</td>
<td>DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUX)</td>
<td>29,594</td>
<td>29,594</td>
<td>29,594</td>
<td>29,594</td>
</tr>
<tr>
<td>042 0603375D</td>
<td>TECHNOLOGY INNOVATION</td>
<td>64,863</td>
<td>29,863</td>
<td>64,863</td>
<td>29,863</td>
</tr>
<tr>
<td>043 0603385B</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT</td>
<td>145,359</td>
<td>145,359</td>
<td>145,359</td>
<td>145,359</td>
</tr>
<tr>
<td>044 0603527D</td>
<td>RETRACT LARCH</td>
<td>171,120</td>
<td>171,120</td>
<td>171,120</td>
<td>171,120</td>
</tr>
<tr>
<td>045 0603648D</td>
<td>JOINT ELECTRONIC ADVANCED TECHNOLOGY</td>
<td>14,389</td>
<td>14,389</td>
<td>14,389</td>
<td>14,389</td>
</tr>
<tr>
<td>046 0603660B</td>
<td>NETWORKED COMMUNICATIONS CAPABILITIES</td>
<td>105,871</td>
<td>105,871</td>
<td>105,871</td>
<td>105,871</td>
</tr>
<tr>
<td>047 0603660D</td>
<td>DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM</td>
<td>12,661</td>
<td>12,661</td>
<td>12,661</td>
<td>12,661</td>
</tr>
<tr>
<td>048 0603680D</td>
<td>MANUFACTURING SCIENCE AND TECHNOLOGY</td>
<td>136,159</td>
<td>136,159</td>
<td>191,159</td>
<td>27,500</td>
</tr>
<tr>
<td>049 0603680S</td>
<td>MANUFACTURING TECHNOLOGY PROGRAM</td>
<td>40,511</td>
<td>40,511</td>
<td>40,511</td>
<td>40,511</td>
</tr>
<tr>
<td>050 0603699D</td>
<td>EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT</td>
<td>57,876</td>
<td>49,876</td>
<td>57,876</td>
<td>49,876</td>
</tr>
<tr>
<td></td>
<td>SOCOM ATL effort</td>
<td></td>
<td>–8,000</td>
<td></td>
<td>–8,000</td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>051</td>
<td>0603712S</td>
<td>GENERIC LOGISTICS R&amp;D TECHNOLOGY DEMONSTRATIONS</td>
<td>10,611</td>
<td>10,611</td>
<td>10,611</td>
</tr>
<tr>
<td>053</td>
<td>0603716D8Z</td>
<td>STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM</td>
<td>71,832</td>
<td>81,832</td>
<td>81,832</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Readiness increase</td>
<td>(10,000)</td>
<td>(10,000)</td>
<td></td>
</tr>
<tr>
<td>054</td>
<td>0603720S</td>
<td>MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT</td>
<td>219,803</td>
<td>219,803</td>
<td>299,803</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supply chain assurance</td>
<td>(80,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>055</td>
<td>0603727D8Z</td>
<td>JOINT WARFIGHTING PROGRAM</td>
<td>6,349</td>
<td>6,349</td>
<td>6,349</td>
</tr>
<tr>
<td>056</td>
<td>0603739E</td>
<td>ADVANCED ELECTRONICS TECHNOLOGIES</td>
<td>79,173</td>
<td>79,173</td>
<td>79,173</td>
</tr>
<tr>
<td>057</td>
<td>0603760E</td>
<td>COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS</td>
<td>6,349</td>
<td>6,349</td>
<td>6,349</td>
</tr>
<tr>
<td>058</td>
<td>0603766E</td>
<td>NETWORK-CENTRIC WARFARE TECHNOLOGY</td>
<td>439,386</td>
<td>439,386</td>
<td>439,386</td>
</tr>
<tr>
<td>059</td>
<td>0603767E</td>
<td>SENSOR TECHNOLOGY</td>
<td>210,123</td>
<td>210,123</td>
<td>210,123</td>
</tr>
<tr>
<td>060</td>
<td>0603769D8Z</td>
<td>DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>11,211</td>
<td>11,211</td>
<td>11,211</td>
</tr>
<tr>
<td>061</td>
<td>0603781D8Z</td>
<td>SOFTWARE ENGINEERING INSTITUTE</td>
<td>15,047</td>
<td>15,047</td>
<td>15,047</td>
</tr>
<tr>
<td>062</td>
<td>0603826D8Z</td>
<td>QUICK REACTION SPECIAL PROJECTS</td>
<td>69,203</td>
<td>69,203</td>
<td>69,203</td>
</tr>
<tr>
<td>064</td>
<td>0603941D8Z</td>
<td>TEST &amp; EVALUATION SCIENCE &amp; TECHNOLOGY</td>
<td>89,586</td>
<td>89,586</td>
<td>89,586</td>
</tr>
<tr>
<td>065</td>
<td>0604055D8Z</td>
<td>OPERATIONAL ENERGY CAPABILITY IMPROVEMENT</td>
<td>35,043</td>
<td>35,043</td>
<td>35,043</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Readiness increase</td>
<td>(10,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>066</td>
<td>0303310D8Z</td>
<td>CWMD SYSTEMS</td>
<td>33,382</td>
<td>33,382</td>
<td>33,382</td>
</tr>
<tr>
<td>068</td>
<td>1160402BB</td>
<td>SOF ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>72,605</td>
<td>72,605</td>
<td>72,605</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td>3,450,847</td>
<td>3,466,812</td>
<td>3,600,847</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>069</td>
<td>0603136D8Z</td>
<td>NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&amp;E ADC&amp;P.</td>
<td>32,937</td>
<td>32,937</td>
<td>32,937</td>
</tr>
<tr>
<td>070</td>
<td>0603600D8Z</td>
<td>WALKOFF</td>
<td>101,714</td>
<td>101,714</td>
<td>101,714</td>
</tr>
<tr>
<td>072</td>
<td>0603821D8Z</td>
<td>ACQUISITION ENTERPRISE DATA &amp; INFORMATION SERVICES</td>
<td>2,198</td>
<td>2,198</td>
<td>2,198</td>
</tr>
<tr>
<td>073</td>
<td>0603851D8Z</td>
<td>ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM</td>
<td>54,583</td>
<td>54,583</td>
<td>64,583</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>2017</td>
<td>2018</td>
<td>2019</td>
<td>2020</td>
</tr>
<tr>
<td>----------</td>
<td>------------------------------------------------------------------------------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>074</td>
<td>BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT</td>
<td>292,262</td>
<td>292,262</td>
<td>292,262</td>
<td></td>
</tr>
<tr>
<td>075</td>
<td>BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT</td>
<td>957,097</td>
<td>1,330,093</td>
<td>979,093</td>
<td>1,058,093</td>
</tr>
<tr>
<td></td>
<td>Improve Discrimination Capability for GMD</td>
<td></td>
<td>[21,996]</td>
<td>[21,996]</td>
<td>[21,996]</td>
</tr>
<tr>
<td></td>
<td>Increase GBI magazine capacity at Fort Greely</td>
<td></td>
<td>[208,000]</td>
<td></td>
<td>[65,000]</td>
</tr>
<tr>
<td></td>
<td>Program increase—additional boosters and EKVs</td>
<td></td>
<td>[143,000]</td>
<td></td>
<td>[14,000]</td>
</tr>
<tr>
<td>076</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEMVAL</td>
<td>148,518</td>
<td>148,518</td>
<td>148,518</td>
<td>148,518</td>
</tr>
<tr>
<td>077</td>
<td>BALLISTIC MISSILE DEFENSE SENSORS</td>
<td>278,145</td>
<td>357,007</td>
<td>336,007</td>
<td>27,062</td>
</tr>
<tr>
<td></td>
<td>Funding increase to accelerate development and deployment of interim and perm MD enhancements for HI.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Improve Discrimination Capability for GMD</td>
<td></td>
<td>[21,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMD ENABLING PROGRAMS</td>
<td>465,642</td>
<td>495,084</td>
<td>495,086</td>
<td>7,142</td>
</tr>
<tr>
<td></td>
<td>GMD Discrimination</td>
<td></td>
<td>[23,342]</td>
<td>[23,342]</td>
<td>[7,142]</td>
</tr>
<tr>
<td>078</td>
<td>SPECIAL PROGRAMS—MDA</td>
<td>365,190</td>
<td>365,190</td>
<td>365,190</td>
<td>365,190</td>
</tr>
<tr>
<td>080</td>
<td>AEGIS BMD</td>
<td>860,788</td>
<td>860,788</td>
<td>860,788</td>
<td>860,788</td>
</tr>
<tr>
<td>083</td>
<td>BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI.</td>
<td>454,862</td>
<td>454,862</td>
<td>454,862</td>
<td>454,862</td>
</tr>
<tr>
<td>084</td>
<td>BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT</td>
<td>48,954</td>
<td>48,954</td>
<td>48,954</td>
<td>48,954</td>
</tr>
<tr>
<td>085</td>
<td>MISSILE DEFENSE INTEGRATION &amp; OPERATIONS CENTER (MDIOC)</td>
<td>53,265</td>
<td>53,265</td>
<td>53,265</td>
<td>53,265</td>
</tr>
<tr>
<td>086</td>
<td>REGARDING TRENCH</td>
<td>9,113</td>
<td>9,113</td>
<td>9,113</td>
<td>9,113</td>
</tr>
<tr>
<td>087</td>
<td>SEA BASED X-BAND RADAR (SBX)</td>
<td>145,695</td>
<td>145,695</td>
<td>145,695</td>
<td>145,695</td>
</tr>
<tr>
<td>088</td>
<td>ISRAELI COOPERATIVE PROGRAMS</td>
<td>105,354</td>
<td>105,354</td>
<td>373,804</td>
<td>268,446</td>
</tr>
<tr>
<td></td>
<td>Arrow</td>
<td></td>
<td>[28,140]</td>
<td></td>
<td>[28,139]</td>
</tr>
<tr>
<td></td>
<td>Arrow Upper Tier flight test</td>
<td></td>
<td></td>
<td>(105,000)</td>
<td>(105,000)</td>
</tr>
<tr>
<td></td>
<td>Arrow-Upper Tier</td>
<td></td>
<td></td>
<td>(28,140)</td>
<td>(28,139)</td>
</tr>
<tr>
<td></td>
<td>David’s Sling</td>
<td></td>
<td></td>
<td>(63,850)</td>
<td>(63,848)</td>
</tr>
<tr>
<td>089</td>
<td>BALLISTIC MISSILE DEFENSE TEST</td>
<td>316,193</td>
<td>316,193</td>
<td>316,193</td>
<td>316,193</td>
</tr>
<tr>
<td>090</td>
<td>BALLISTIC MISSILE DEFENSE TARGETS</td>
<td>460,125</td>
<td>460,125</td>
<td>460,125</td>
<td>460,125</td>
</tr>
<tr>
<td>091</td>
<td>HUMANITARIAN DEMINING</td>
<td>10,837</td>
<td>10,837</td>
<td>10,837</td>
<td>10,837</td>
</tr>
<tr>
<td>092</td>
<td>COALITION WARFARE</td>
<td>10,740</td>
<td>10,740</td>
<td>10,740</td>
<td>10,740</td>
</tr>
<tr>
<td>093</td>
<td>DEPARTMENT OF DEFENSE CORROSION PROGRAM</td>
<td>3,837</td>
<td>3,837</td>
<td>3,837</td>
<td>3,837</td>
</tr>
<tr>
<td>Line</td>
<td>Program Element</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>094</td>
<td>0604115C</td>
<td>DOD Corrosion Program</td>
<td>128,406</td>
<td>258,406</td>
<td>128,406</td>
</tr>
<tr>
<td>095</td>
<td>0604132D8Z</td>
<td>TECHNOLOGY MATURATION INITIATIVES</td>
<td>124,769</td>
<td>124,769</td>
<td>124,769</td>
</tr>
<tr>
<td>096</td>
<td>0604181C</td>
<td>Hypersonic Defense</td>
<td>75,300</td>
<td>75,300</td>
<td>75,300</td>
</tr>
<tr>
<td>097</td>
<td>0604250D8Z</td>
<td>ADVANCED INNOVATIVE TECHNOLOGIES</td>
<td>1,482,532</td>
<td>1,460,532</td>
<td>1,482,532</td>
</tr>
<tr>
<td>098</td>
<td>0604294D8Z</td>
<td>TRUSTED &amp; ASSURED MICROELECTRONICS</td>
<td>83,626</td>
<td>83,626</td>
<td>83,626</td>
</tr>
<tr>
<td>099</td>
<td>0604331D8Z</td>
<td>RAPID PROTOTYPING PROGRAM</td>
<td>100,000</td>
<td>100,000</td>
<td>100,000</td>
</tr>
<tr>
<td>100</td>
<td>0604342D8Z</td>
<td>DEFENSE TECHNOLOGY OFFSET</td>
<td>200,000</td>
<td>100,000</td>
<td>100,000</td>
</tr>
<tr>
<td>101</td>
<td>0604400D8Z</td>
<td>DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT</td>
<td>3,967</td>
<td>3,967</td>
<td>3,967</td>
</tr>
<tr>
<td>102</td>
<td>0604682D8Z</td>
<td>WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)</td>
<td>3,833</td>
<td>3,833</td>
<td>3,833</td>
</tr>
<tr>
<td>104</td>
<td>0604826J</td>
<td>JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS</td>
<td>23,638</td>
<td>23,638</td>
<td>23,638</td>
</tr>
<tr>
<td>105</td>
<td>0604873C</td>
<td>LONG RANGE DISCRIMINATION RADAR (LRDR)</td>
<td>357,659</td>
<td>357,659</td>
<td>357,659</td>
</tr>
<tr>
<td>106</td>
<td>0604874C</td>
<td>IMPROVED HOMELAND DEFENSE INTERCEPTORS</td>
<td>636,430</td>
<td>716,430</td>
<td>716,430</td>
</tr>
<tr>
<td>107</td>
<td>0604876C</td>
<td>BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST</td>
<td>36,239</td>
<td>36,239</td>
<td>36,239</td>
</tr>
<tr>
<td>108</td>
<td>0604878C</td>
<td>AEGIS BMD TEST</td>
<td>137,783</td>
<td>164,134</td>
<td>164,134</td>
</tr>
<tr>
<td></td>
<td></td>
<td>To provide AAW at Aegis Ashore sites, consistent w/ FY16 and FY17 NDAAs.</td>
<td>23,036</td>
<td>23,036</td>
<td>23,036</td>
</tr>
<tr>
<td>109</td>
<td>0604879C</td>
<td>BALLISTIC MISSILE DEFENSE SENSOR TEST</td>
<td>101,839</td>
<td>101,839</td>
<td>101,839</td>
</tr>
<tr>
<td>110</td>
<td>0604880C</td>
<td>LAND-BASED SM-3 (LBSM3)</td>
<td>30,486</td>
<td>97,761</td>
<td>97,761</td>
</tr>
</tbody>
</table>

*SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)*

*Line Program Element Item FY 2018 Request House Authorized Senate Authorized Conference Change Conference Authorized*

094 0604115C DOD Corrosion Program

095 0604132D8Z TECHNOLOGY MATURATION INITIATIVES

096 0604181C Hypersonic Defense

097 0604250D8Z ADVANCED INNOVATIVE TECHNOLOGIES

098 0604294D8Z TRUSTED & ASSURED MICROELECTRONICS

099 0604331D8Z RAPID PROTOTYPING PROGRAM

100 0604342D8Z DEFENSE TECHNOLOGY OFFSET

101 0604400D8Z DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT

102 0604682D8Z WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)

104 0604826J JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS

105 0604873C LONG RANGE DISCRIMINATION RADAR (LRDR)

106 0604874C IMPROVED HOMELAND DEFENSE INTERCEPTORS

107 0604876C BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST

108 0604878C AEGIS BMD TEST

109 0604879C BALLISTIC MISSILE DEFENSE SENSOR TEST

110 0604880C LAND-BASED SM-3 (LBSM3)
To provide AAW at Aegis Ashore sites, consistent w/ FY16 and FY17 NDAAs.

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Description</th>
<th>FY17</th>
<th>FY18</th>
<th>FY19</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>111 0604881C</td>
<td>AEGIS SM-3 BLOCK III CO-DEVELOPMENT</td>
<td>9,739</td>
<td>9,739</td>
<td>9,739</td>
<td>9,739</td>
</tr>
<tr>
<td>112 0604887C</td>
<td>BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST</td>
<td>76,757</td>
<td>76,757</td>
<td>76,757</td>
<td>76,757</td>
</tr>
<tr>
<td>113 0604894C</td>
<td>MULTI-OBJECT KILL VEHICLE</td>
<td>6,500</td>
<td>6,500</td>
<td>6,500</td>
<td>6,500</td>
</tr>
<tr>
<td>114 0303191D8Z</td>
<td>JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM</td>
<td>2,902</td>
<td>2,902</td>
<td>2,902</td>
<td>2,902</td>
</tr>
<tr>
<td>115 0053103C</td>
<td>CYBER SECURITY INITIATIVE</td>
<td>986</td>
<td>986</td>
<td>986</td>
<td>986</td>
</tr>
<tr>
<td>116 1206893C</td>
<td>SPACE TRACKING &amp; SURVEILLANCE SYSTEM</td>
<td>34,907</td>
<td>34,907</td>
<td>34,907</td>
<td>34,907</td>
</tr>
<tr>
<td>117 1206895C</td>
<td>BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS</td>
<td>30,994</td>
<td>58,494</td>
<td>13,500</td>
<td>44,494</td>
</tr>
<tr>
<td></td>
<td>Subtotal Advanced Component Development and Prototypes</td>
<td>8,667,341</td>
<td>9,457,767</td>
<td>9,531,219</td>
<td>643,457</td>
</tr>
</tbody>
</table>

To Initiates BMDS Global Sensors AoA recommendations for space sensor architecture.

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Description</th>
<th>FY17</th>
<th>FY18</th>
<th>FY19</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>117A 120XXXXC</td>
<td>GROUND-LAUNCHED INTERMEDIATE RANGE MISSILE</td>
<td>65,000</td>
<td>58,000</td>
<td>58,000</td>
<td>58,000</td>
</tr>
<tr>
<td></td>
<td>Ground-Launched Intermediate Range Missile</td>
<td>(65,000)</td>
<td>(58,000)</td>
<td>(58,000)</td>
<td>(58,000)</td>
</tr>
</tbody>
</table>

**SYSTEM DEVELOPMENT AND DEMONSTRATION**

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Description</th>
<th>FY17</th>
<th>FY18</th>
<th>FY19</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>118 0604161D8Z</td>
<td>NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&amp;E SDD</td>
<td>12,536</td>
<td>12,536</td>
<td>12,536</td>
<td>12,536</td>
</tr>
<tr>
<td>119 0604165D8Z</td>
<td>PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT</td>
<td>201,749</td>
<td>201,749</td>
<td>201,749</td>
<td>201,749</td>
</tr>
<tr>
<td>120 0604384BP</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD</td>
<td>406,789</td>
<td>406,789</td>
<td>406,789</td>
<td>406,789</td>
</tr>
<tr>
<td>122 0604771D8Z</td>
<td>JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)</td>
<td>15,358</td>
<td>15,358</td>
<td>23,358</td>
<td>5,000</td>
</tr>
<tr>
<td></td>
<td>Program increase—very low profile hardware</td>
<td>(8,000)</td>
<td>(5,000)</td>
<td>(5,000)</td>
<td>(5,000)</td>
</tr>
<tr>
<td>123 0605000BR</td>
<td>COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT</td>
<td>6,241</td>
<td>6,241</td>
<td>6,241</td>
<td>6,241</td>
</tr>
<tr>
<td>124 0605013BL</td>
<td>INFORMATION TECHNOLOGY DEVELOPMENT</td>
<td>12,322</td>
<td>12,322</td>
<td>12,322</td>
<td>12,322</td>
</tr>
<tr>
<td>125 0605021SE</td>
<td>HOMELAND PERSONNEL SECURITY INITIATIVE</td>
<td>4,893</td>
<td>4,893</td>
<td>4,893</td>
<td>4,893</td>
</tr>
<tr>
<td>126 0605022D8Z</td>
<td>DEFENSE EXPORTABILITY PROGRAM</td>
<td>3,162</td>
<td>3,162</td>
<td>3,162</td>
<td>3,162</td>
</tr>
<tr>
<td>127 0605027D8Z</td>
<td>OUSD(C) IT DEVELOPMENT INITIATIVES</td>
<td>21,353</td>
<td>21,353</td>
<td>19,353</td>
<td>21,353</td>
</tr>
<tr>
<td></td>
<td>Find COTS solution</td>
<td>(-2,000)</td>
<td>(-2,000)</td>
<td>(-2,000)</td>
<td>(-2,000)</td>
</tr>
<tr>
<td>128 0605070S</td>
<td>DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION</td>
<td>6,266</td>
<td>6,266</td>
<td>6,266</td>
<td>6,266</td>
</tr>
<tr>
<td>129 0605070D8Z</td>
<td>DCMO POLICY AND INTEGRATION</td>
<td>2,810</td>
<td>2,810</td>
<td>2,810</td>
<td>2,810</td>
</tr>
<tr>
<td>130 0605080S</td>
<td>DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM</td>
<td>24,436</td>
<td>24,436</td>
<td>24,436</td>
<td>24,436</td>
</tr>
<tr>
<td>131 0605090S</td>
<td>DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS)</td>
<td>13,475</td>
<td>13,475</td>
<td>13,475</td>
<td>13,475</td>
</tr>
<tr>
<td>133 0605210D8Z</td>
<td>DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES</td>
<td>11,870</td>
<td>11,870</td>
<td>11,870</td>
<td>11,870</td>
</tr>
</tbody>
</table>

VerDate Sep 11 2014 13:58 Nov 07, 2017 Jkt 000000 PO 00000 Frm 00103 Fmt 6659 Sfmt 6602 C:\DOD_CONFERENCE_TABLES_2018\ORIGINAL_TABLES\TEMP\L_COMBINED.LOC

November 7, 2017 (1:25 p.m.)

DSK79H1C42 with DEFAULT_TEST
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>134</td>
<td>0605294D8Z</td>
<td>TRUSTED &amp; ASSURED MICROELECTRONICS</td>
<td>61,084</td>
<td>61,084</td>
<td>61,084</td>
<td>-11,870</td>
<td>50,000</td>
</tr>
<tr>
<td>135</td>
<td>0303141K</td>
<td>GLOBAL COMBAT SUPPORT SYSTEM</td>
<td>2,576</td>
<td>2,576</td>
<td>2,576</td>
<td></td>
<td>2,576</td>
</tr>
<tr>
<td>136</td>
<td>0305304D8Z</td>
<td>DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EERM)</td>
<td>3,669</td>
<td>3,669</td>
<td>3,669</td>
<td></td>
<td>3,669</td>
</tr>
<tr>
<td>137</td>
<td>0305510D8Z</td>
<td>CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION</td>
<td>8,230</td>
<td>8,230</td>
<td>8,230</td>
<td></td>
<td>8,230</td>
</tr>
<tr>
<td>137A</td>
<td>0604XX</td>
<td>RESEARCH AND DEVELOPMENT OF MILITARY RESPONSE OPTIONS FOR RUSSIAN INF TREATY VIOLATION</td>
<td>50,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION</td>
<td>818,819</td>
<td>868,819</td>
<td>812,949</td>
<td>5,000</td>
<td>823,819</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MANAGEMENT SUPPORT</td>
<td>6,941</td>
<td>6,941</td>
<td>6,941</td>
<td></td>
<td>6,941</td>
</tr>
<tr>
<td>138</td>
<td>0604774D8Z</td>
<td>DEFENSE READINESS REPORTING SYSTEM (DRRS)</td>
<td>4,851</td>
<td>4,851</td>
<td>4,851</td>
<td></td>
<td>4,851</td>
</tr>
<tr>
<td>140</td>
<td>0604940D8Z</td>
<td>CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIEP)</td>
<td>211,325</td>
<td>211,325</td>
<td>211,325</td>
<td></td>
<td>211,325</td>
</tr>
<tr>
<td>141</td>
<td>0604930D8Z</td>
<td>ASSESSMENTS AND EVALUATIONS</td>
<td>30,144</td>
<td>50,144</td>
<td>30,144</td>
<td>20,000</td>
<td>50,144</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL MANAGEMENT SUPPORT</td>
<td>275,415</td>
<td>275,415</td>
<td>275,415</td>
<td>20,000</td>
<td>275,415</td>
</tr>
<tr>
<td>142</td>
<td>0605001E</td>
<td>MISSION SUPPORT</td>
<td>63,769</td>
<td>63,769</td>
<td>63,769</td>
<td></td>
<td>63,769</td>
</tr>
<tr>
<td>143</td>
<td>0605100D8Z</td>
<td>JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMECT)</td>
<td>91,057</td>
<td>91,057</td>
<td>91,057</td>
<td></td>
<td>91,057</td>
</tr>
<tr>
<td>144</td>
<td>0605104D8Z</td>
<td>TECHNICAL STUDIES, SUPPORT AND ANALYSIS</td>
<td>22,386</td>
<td>22,386</td>
<td>22,386</td>
<td></td>
<td>22,386</td>
</tr>
<tr>
<td>145</td>
<td>0605126J</td>
<td>JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JAMDO)</td>
<td>36,581</td>
<td>36,581</td>
<td>36,581</td>
<td></td>
<td>36,581</td>
</tr>
<tr>
<td>147</td>
<td>0605142D8Z</td>
<td>SYSTEMS ENGINEERING</td>
<td>37,622</td>
<td>37,622</td>
<td>37,622</td>
<td></td>
<td>37,622</td>
</tr>
<tr>
<td>148</td>
<td>0605151D8Z</td>
<td>STUDIES AND ANALYSIS SUPPORT—OSD</td>
<td>5,200</td>
<td>5,200</td>
<td>5,200</td>
<td></td>
<td>5,200</td>
</tr>
<tr>
<td>150</td>
<td>0605170D8Z</td>
<td>SUPPORT TO NETWORKS AND INFORMATION INTEGRATION</td>
<td>12,583</td>
<td>12,583</td>
<td>12,583</td>
<td></td>
<td>12,583</td>
</tr>
<tr>
<td>151</td>
<td>0605200D8Z</td>
<td>GENERAL SUPPORT TO USD (INTELLIGENCE)</td>
<td>61,451</td>
<td>61,451</td>
<td>61,451</td>
<td></td>
<td>61,451</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PROJECT Maven</td>
<td>104,348</td>
<td>104,348</td>
<td>104,348</td>
<td></td>
<td>104,348</td>
</tr>
<tr>
<td>152</td>
<td>0605384BP</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>161</td>
<td>0605790D8Z</td>
<td>SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER</td>
<td>2,372</td>
<td>2,372</td>
<td>2,372</td>
<td>2,372</td>
<td></td>
</tr>
<tr>
<td>162</td>
<td>0605798D8Z</td>
<td>DEFENSE TECHNOLOGY ANALYSIS</td>
<td>24,365</td>
<td>24,365</td>
<td>24,365</td>
<td>24,365</td>
<td></td>
</tr>
<tr>
<td>163</td>
<td>0605801KA</td>
<td>DEFENSE TECHNICAL INFORMATION CENTER (DTIC)</td>
<td>54,145</td>
<td>54,145</td>
<td>54,145</td>
<td>54,145</td>
<td></td>
</tr>
<tr>
<td>164</td>
<td>0605803SE</td>
<td>R&amp;D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION</td>
<td>30,356</td>
<td>30,356</td>
<td>30,356</td>
<td>30,356</td>
<td></td>
</tr>
<tr>
<td>165</td>
<td>0605804D8Z</td>
<td>DEVELOPMENT TEST AND EVALUATION</td>
<td>20,571</td>
<td>20,571</td>
<td>25,571</td>
<td>20,571</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Software testing capabilities</td>
<td>[5,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>166</td>
<td>0605898E</td>
<td>MANAGEMENT HQ—R&amp;D</td>
<td>14,017</td>
<td>14,017</td>
<td>14,017</td>
<td>14,017</td>
<td></td>
</tr>
<tr>
<td>167</td>
<td>0605998KA</td>
<td>MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC)</td>
<td>4,187</td>
<td>4,187</td>
<td>4,187</td>
<td>4,187</td>
<td></td>
</tr>
<tr>
<td>168</td>
<td>0606100D8Z</td>
<td>BUDGET AND PROGRAM ASSESSMENTS</td>
<td>3,992</td>
<td>3,992</td>
<td>3,992</td>
<td>3,992</td>
<td></td>
</tr>
<tr>
<td>169</td>
<td>0606225D8Z</td>
<td>ODNA TECHNOLOGY AND RESOURCE ANALYSIS</td>
<td>1,000</td>
<td>1,000</td>
<td>1,000</td>
<td>1,000</td>
<td></td>
</tr>
<tr>
<td>170</td>
<td>0203345D8Z</td>
<td>DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI)</td>
<td>2,551</td>
<td>2,551</td>
<td>2,551</td>
<td>2,551</td>
<td></td>
</tr>
<tr>
<td>171</td>
<td>0204571J</td>
<td>JOINT STAFF ANALYTICAL SUPPORT</td>
<td>7,712</td>
<td>7,712</td>
<td>7,712</td>
<td>7,712</td>
<td></td>
</tr>
<tr>
<td>174</td>
<td>0303166J</td>
<td>SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES</td>
<td>673</td>
<td>673</td>
<td>673</td>
<td>673</td>
<td></td>
</tr>
<tr>
<td>175</td>
<td>0303260D8Z</td>
<td>DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO)</td>
<td>1,006</td>
<td>1,006</td>
<td>1,006</td>
<td>1,006</td>
<td></td>
</tr>
<tr>
<td>177</td>
<td>0305172K</td>
<td>COMBINED ADVANCED APPLICATIONS</td>
<td>16,998</td>
<td>16,998</td>
<td>16,998</td>
<td>16,998</td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>0305245D8Z</td>
<td>INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS</td>
<td>18,992</td>
<td>18,992</td>
<td>18,992</td>
<td>18,992</td>
<td></td>
</tr>
<tr>
<td>181</td>
<td>0306310D8Z</td>
<td>CWMD SYSTEMS: RDT&amp;E MANAGEMENT SUPPORT</td>
<td>1,231</td>
<td>1,231</td>
<td>1,231</td>
<td>1,231</td>
<td></td>
</tr>
<tr>
<td>183</td>
<td>0804767J</td>
<td>COMBEX EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CET2)—MHA.</td>
<td>44,500</td>
<td>44,500</td>
<td>44,500</td>
<td>44,500</td>
<td></td>
</tr>
<tr>
<td>184</td>
<td>0901598C</td>
<td>MANAGEMENT HQ—MDA</td>
<td>29,947</td>
<td>29,947</td>
<td>29,947</td>
<td>29,947</td>
<td></td>
</tr>
<tr>
<td>187</td>
<td>0903235K</td>
<td>JOINT SERVICE PROVIDER (JSP)</td>
<td>5,113</td>
<td>5,113</td>
<td>5,113</td>
<td>5,113</td>
<td></td>
</tr>
<tr>
<td>187A</td>
<td>999999999</td>
<td>CLASSIFIED PROGRAMS</td>
<td>63,312</td>
<td>63,312</td>
<td>63,312</td>
<td>63,312</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL MANAGEMENT SUPPORT</td>
<td>1,040,530</td>
<td>1,090,530</td>
<td>1,145,530</td>
<td>20,000</td>
<td>1,060,530</td>
</tr>
</tbody>
</table>

**OPERATIONAL SYSTEM DEVELOPMENT**

| 188 | 0604130V | ENTERPRISE SECURITY SYSTEM (ESS) | 4,565 | 4,565 | 4,565 | 4,565 |
| 189 | 0605127T | REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANA. | 1,871 | 1,871 | 1,871 | 1,871 |
| 190 | 0605147T | OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SYSTEM (OHASIS) | 298 | 298 | 298 | 298 |
| 191 | 0607210D8Z | INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT | 10,882 | 15,882 | 10,882 | 10,882 |
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

**(In Thousands of Dollars)**

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>192</td>
<td>060731D8Z</td>
<td>CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT</td>
<td>7,222</td>
<td>7,222</td>
<td>7,222</td>
<td>7,222</td>
<td>7,222</td>
</tr>
<tr>
<td>193</td>
<td>060732JT</td>
<td>GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS)</td>
<td>14,450</td>
<td>14,450</td>
<td>14,450</td>
<td>14,450</td>
<td>14,450</td>
</tr>
<tr>
<td>194</td>
<td>060738BP</td>
<td>CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT)</td>
<td>45,677</td>
<td>45,677</td>
<td>45,677</td>
<td>45,677</td>
<td>45,677</td>
</tr>
<tr>
<td>195</td>
<td>020804J</td>
<td>PLANNING AND DECISION AID SYSTEM (PDAS)</td>
<td>3,037</td>
<td>3,037</td>
<td>3,037</td>
<td>3,037</td>
<td>3,037</td>
</tr>
<tr>
<td>196</td>
<td>0208045K</td>
<td>C4I INTEROPERABILITY</td>
<td>59,490</td>
<td>59,490</td>
<td>59,490</td>
<td>59,490</td>
<td>59,490</td>
</tr>
<tr>
<td>197</td>
<td>0301144K</td>
<td>JOINT ALLIED COALITION INFORMATION SHARING</td>
<td>6,104</td>
<td>6,104</td>
<td>6,104</td>
<td>6,104</td>
<td>6,104</td>
</tr>
<tr>
<td>202</td>
<td>0302016K</td>
<td>NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT</td>
<td>1,863</td>
<td>1,863</td>
<td>1,863</td>
<td>1,863</td>
<td>1,863</td>
</tr>
<tr>
<td>204</td>
<td>030326K</td>
<td>LONG-HAUL COMMUNICATIONS—DCS</td>
<td>15,428</td>
<td>15,428</td>
<td>15,428</td>
<td>15,428</td>
<td>15,428</td>
</tr>
<tr>
<td>205</td>
<td>0303131K</td>
<td>MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)</td>
<td>15,855</td>
<td>15,855</td>
<td>15,855</td>
<td>15,855</td>
<td>15,855</td>
</tr>
<tr>
<td>206</td>
<td>0303135G</td>
<td>PUBLIC KEY INFRASTRUCTURE (PKI)</td>
<td>4,811</td>
<td>4,811</td>
<td>4,811</td>
<td>4,811</td>
<td>4,811</td>
</tr>
<tr>
<td>207</td>
<td>0303136G</td>
<td>KEY MANAGEMENT INFRASTRUCTURE (KMI)</td>
<td>33,746</td>
<td>33,746</td>
<td>33,746</td>
<td>33,746</td>
<td>33,746</td>
</tr>
<tr>
<td>208</td>
<td>0303140D8Z</td>
<td>INFORMATION SYSTEMS SECURITY PROGRAM</td>
<td>227,652</td>
<td>227,652</td>
<td>227,652</td>
<td>227,652</td>
<td>227,652</td>
</tr>
<tr>
<td>209</td>
<td>0303140G</td>
<td>INFORMATION SYSTEMS SECURITY PROGRAM</td>
<td>9,415</td>
<td>9,415</td>
<td>9,415</td>
<td>9,415</td>
<td>9,415</td>
</tr>
<tr>
<td>210</td>
<td>0303150K</td>
<td>GLOBAL COMMAND AND CONTROL SYSTEM</td>
<td>42,687</td>
<td>42,687</td>
<td>42,687</td>
<td>42,687</td>
<td>42,687</td>
</tr>
<tr>
<td>211</td>
<td>0303153K</td>
<td>DEFENSE SPECTRUM ORGANIZATION</td>
<td>8,750</td>
<td>8,750</td>
<td>8,750</td>
<td>8,750</td>
<td>8,750</td>
</tr>
<tr>
<td>214</td>
<td>0303228K</td>
<td>JOINT INFORMATION ENVIRONMENT (JIE)</td>
<td>4,689</td>
<td>4,689</td>
<td>4,689</td>
<td>4,689</td>
<td>4,689</td>
</tr>
<tr>
<td>216</td>
<td>0303430K</td>
<td>FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY</td>
<td>50,000</td>
<td>50,000</td>
<td>50,000</td>
<td>50,000</td>
<td>50,000</td>
</tr>
<tr>
<td>222</td>
<td>0305103K</td>
<td>CYBER SECURITY INITIATIVE</td>
<td>1,686</td>
<td>1,686</td>
<td>1,686</td>
<td>1,686</td>
<td>1,686</td>
</tr>
<tr>
<td>227</td>
<td>0305186D8Z</td>
<td>POLICY R&amp;D PROGRAMS</td>
<td>6,526</td>
<td>6,526</td>
<td>6,526</td>
<td>6,526</td>
<td>6,526</td>
</tr>
</tbody>
</table>

**Program increase for increase analytical support**: [5,000]

**Program increase to support cyber defense education of reservists and the National Guard**: [8,000]

**Program decrease**: [–10,000]
<table>
<thead>
<tr>
<th>Code</th>
<th>Category</th>
<th>Budget 16</th>
</tr>
</thead>
<tbody>
<tr>
<td>0305199D8Z</td>
<td>NET CENTRICITY</td>
<td>18,455</td>
</tr>
<tr>
<td>03052088B</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>5,496</td>
</tr>
<tr>
<td>0305208K</td>
<td>DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</td>
<td>3,049</td>
</tr>
<tr>
<td>0305327V</td>
<td>INSIDER THREAT</td>
<td>5,365</td>
</tr>
<tr>
<td></td>
<td>Defense Insider Threat Management and Analysis Center</td>
<td></td>
</tr>
<tr>
<td>0305387D8Z</td>
<td>HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM</td>
<td>2,071</td>
</tr>
<tr>
<td>0708012S</td>
<td>INTELLIGENCE MISSION DATA (IMD)</td>
<td>13,111</td>
</tr>
<tr>
<td>0708012S</td>
<td>PACIFIC DISASTER CENTERS</td>
<td>1,770</td>
</tr>
<tr>
<td>0708047S</td>
<td>DEFENSE PROPERTY ACCOUNTABILITY SYSTEM</td>
<td>2,924</td>
</tr>
<tr>
<td>1105219BB</td>
<td>MQ–9 UAV</td>
<td>37,863</td>
</tr>
<tr>
<td></td>
<td>MQ–9 Capability Enhancement</td>
<td></td>
</tr>
<tr>
<td>1160403BB</td>
<td>AVIATION SYSTEMS</td>
<td>259,886</td>
</tr>
<tr>
<td></td>
<td>SOCOM requested transfer</td>
<td></td>
</tr>
<tr>
<td>1160405BB</td>
<td>INTELLIGENCE SYSTEMS DEVELOPMENT</td>
<td>8,245</td>
</tr>
<tr>
<td>1160408BB</td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>79,455</td>
</tr>
<tr>
<td></td>
<td>UFR: Enhanced Precision Strike</td>
<td></td>
</tr>
<tr>
<td>116041BB</td>
<td>WARRIOR SYSTEMS</td>
<td>45,935</td>
</tr>
<tr>
<td>1160432BB</td>
<td>SPECIAL PROGRAMS</td>
<td>1,978</td>
</tr>
<tr>
<td>1160434BB</td>
<td>UNMANNED ISR</td>
<td>31,766</td>
</tr>
<tr>
<td>1160480BB</td>
<td>SOF TACTICAL VEHICLES</td>
<td>2,578</td>
</tr>
<tr>
<td>1160483BB</td>
<td>MARITIME SYSTEMS</td>
<td>42,315</td>
</tr>
<tr>
<td></td>
<td>SOCOM requested transfer</td>
<td></td>
</tr>
<tr>
<td>1160489BB</td>
<td>GLOBAL VIDEO SURVEILLANCE ACTIVITIES</td>
<td>4,661</td>
</tr>
<tr>
<td>1160408BB</td>
<td>OPERATIONAL ENHANCEMENTS INTELLIGENCE</td>
<td>12,049</td>
</tr>
<tr>
<td>120361OK</td>
<td>TELEPORT PROGRAM</td>
<td>642</td>
</tr>
<tr>
<td>9999999999</td>
<td>CLASSIFIED PROGRAMS</td>
<td>3,734,266</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT</td>
<td>4,912,148</td>
</tr>
</tbody>
</table>

**TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW**

21,501,122  22,459,948  22,688,730  710,692  22,211,814

**OPERATIONAL TEST & EVAL, DEFENSE**
<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>0605110TE</td>
<td>OPERATIONAL TEST AND EVALUATION</td>
<td>83,503</td>
<td>83,503</td>
<td>83,503</td>
<td></td>
<td>83,503</td>
</tr>
<tr>
<td>002</td>
<td>06052310TE</td>
<td>LIVE FIRE TEST AND EVALUATION</td>
<td>59,500</td>
<td>59,500</td>
<td>59,500</td>
<td></td>
<td>59,500</td>
</tr>
<tr>
<td>003</td>
<td>0605140TE</td>
<td>OPERATIONAL TEST ACTIVITIES AND ANALYSES</td>
<td>67,897</td>
<td>67,897</td>
<td>67,897</td>
<td></td>
<td>67,897</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL MANAGEMENT SUPPORT</td>
<td>210,900</td>
<td>210,900</td>
<td>210,900</td>
<td></td>
<td></td>
<td>210,900</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATIONAL TEST &amp; EVAL, DEFENSE</td>
<td>210,900</td>
<td>210,900</td>
<td>210,900</td>
<td></td>
<td></td>
<td>210,900</td>
</tr>
<tr>
<td></td>
<td>UNDISTRIBUTED UNDISTRIBUTED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>9999999999</td>
<td>UNDISTRIBUTED</td>
<td></td>
<td></td>
<td></td>
<td>64,100</td>
<td>64,100</td>
</tr>
<tr>
<td></td>
<td>ERI costs transfer from OCO to base</td>
<td>[64,092]</td>
<td>[64,092]</td>
<td></td>
<td></td>
<td>[64,100]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>64,092</td>
<td>64,100</td>
</tr>
<tr>
<td></td>
<td>TOTAL UNDISTRIBUTED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>64,092</td>
<td>64,100</td>
</tr>
<tr>
<td></td>
<td>TOTAL RDT&amp;E</td>
<td>84,063,300</td>
<td>86,403,368</td>
<td>87,398,693</td>
<td>2,285,376</td>
<td></td>
<td>86,348,676</td>
</tr>
</tbody>
</table>
### SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS.

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item Description</th>
<th>FY 2018</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>055</td>
<td>0603327A</td>
<td>AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING</td>
<td>15,000</td>
<td>15,000</td>
<td>15,000</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>060</td>
<td>0603747A</td>
<td>SOLDIER SUPPORT AND SURVIVABILITY</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</strong></td>
<td></td>
<td><strong>18,000</strong></td>
<td><strong>18,000</strong></td>
<td><strong>18,000</strong></td>
<td><strong>18,000</strong></td>
<td><strong>18,000</strong></td>
</tr>
<tr>
<td>097</td>
<td>0605032A</td>
<td>TRACTOR TIRE</td>
<td>5,000</td>
<td>5,000</td>
<td>5,000</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>122</td>
<td>0605035A</td>
<td>COMMON INFRARED COUNTERMEASURES (CIRCM)</td>
<td>21,540</td>
<td>21,540</td>
<td>21,540</td>
<td>21,540</td>
<td>21,540</td>
</tr>
<tr>
<td>133</td>
<td>0605051A</td>
<td>AIRCRAFT SURVIVABILITY DEVELOPMENT</td>
<td>30,100</td>
<td>30,100</td>
<td>30,100</td>
<td>30,100</td>
<td>30,100</td>
</tr>
<tr>
<td>147</td>
<td>0303032A</td>
<td>TROJAN—RH12</td>
<td>1,200</td>
<td>1,200</td>
<td>1,200</td>
<td>1,200</td>
<td>1,200</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</strong></td>
<td></td>
<td><strong>57,840</strong></td>
<td><strong>57,840</strong></td>
<td><strong>57,840</strong></td>
<td><strong>57,840</strong></td>
<td><strong>57,840</strong></td>
</tr>
<tr>
<td>203</td>
<td>0203801A</td>
<td>MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM</td>
<td>15,000</td>
<td>15,000</td>
<td>15,000</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>222</td>
<td>0305204A</td>
<td>TACTICAL UNMANNED AERIAL VEHICLES</td>
<td>7,492</td>
<td>7,492</td>
<td>7,492</td>
<td>7,492</td>
<td>7,492</td>
</tr>
<tr>
<td>228</td>
<td>0307665A</td>
<td>BIOMETRICS ENABLED INTELLIGENCE</td>
<td>6,036</td>
<td>6,036</td>
<td>6,036</td>
<td>6,036</td>
<td>6,036</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</strong></td>
<td></td>
<td><strong>43,528</strong></td>
<td><strong>43,528</strong></td>
<td><strong>43,528</strong></td>
<td><strong>43,528</strong></td>
<td><strong>43,528</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY</strong></td>
<td></td>
<td><strong>119,368</strong></td>
<td><strong>119,368</strong></td>
<td><strong>119,368</strong></td>
<td><strong>119,368</strong></td>
<td><strong>119,368</strong></td>
</tr>
<tr>
<td>041</td>
<td>0603527N</td>
<td>RETRACT LARCH</td>
<td>22,000</td>
<td>22,000</td>
<td>22,000</td>
<td>22,000</td>
<td>22,000</td>
</tr>
<tr>
<td>061</td>
<td>0603654N</td>
<td>JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT</td>
<td>29,700</td>
<td>29,700</td>
<td>29,700</td>
<td>29,700</td>
<td>29,700</td>
</tr>
<tr>
<td>075</td>
<td>0603795N</td>
<td>LAND ATTACK TECHNOLOGY</td>
<td>2,100</td>
<td>2,100</td>
<td>2,100</td>
<td>2,100</td>
<td>2,100</td>
</tr>
</tbody>
</table>
## SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>081</td>
<td>0604272N</td>
<td>TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM)</td>
<td>5,710</td>
<td>5,710</td>
<td>5,710</td>
<td>5,710</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>59,510</td>
<td>59,510</td>
<td>59,510</td>
<td>59,510</td>
<td></td>
</tr>
</tbody>
</table>

### SYSTEM DEVELOPMENT & DEMONSTRATION

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>103</td>
<td>0604230N</td>
<td>WARFARE SUPPORT SYSTEM</td>
<td>5,400</td>
<td>5,400</td>
<td>5,400</td>
<td>5,400</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</td>
<td>5,400</td>
<td>5,400</td>
<td>5,400</td>
<td>5,400</td>
<td></td>
</tr>
</tbody>
</table>

### OPERATIONAL SYSTEMS DEVELOPMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>207</td>
<td>0204311N</td>
<td>INTEGRATED SURVEILLANCE SYSTEM</td>
<td>11,600</td>
<td>11,600</td>
<td>11,600</td>
<td>11,600</td>
<td></td>
</tr>
<tr>
<td>211</td>
<td>0204574N</td>
<td>CRYPTOLOGIC DIRECT SUPPORT</td>
<td>1,200</td>
<td>1,200</td>
<td>1,200</td>
<td>1,200</td>
<td></td>
</tr>
<tr>
<td>253A</td>
<td>9999999999</td>
<td>CLASSIFIED PROGRAMS</td>
<td>89,855</td>
<td>89,855</td>
<td>89,855</td>
<td>89,855</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</td>
<td>102,655</td>
<td>102,655</td>
<td>102,655</td>
<td>102,655</td>
<td></td>
</tr>
</tbody>
</table>

### TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY

<table>
<thead>
<tr>
<th>FY 2018</th>
<th>House</th>
<th>Senate</th>
<th>Conference</th>
<th>Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>167,565</td>
<td>167,565</td>
<td>167,565</td>
<td>167,565</td>
<td></td>
</tr>
</tbody>
</table>

### ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>029</td>
<td>0603438F</td>
<td>SPACE CONTROL TECHNOLOGY</td>
<td>7,800</td>
<td>7,800</td>
<td>7,800</td>
<td>7,800</td>
<td></td>
</tr>
<tr>
<td>053</td>
<td>0300250F</td>
<td>CYBER OPERATIONS TECHNOLOGY DEVELOPMENT</td>
<td>5,400</td>
<td>5,400</td>
<td>5,400</td>
<td>5,400</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</td>
<td>13,200</td>
<td>13,200</td>
<td>13,200</td>
<td>13,200</td>
<td></td>
</tr>
</tbody>
</table>

### OPERATIONAL SYSTEMS DEVELOPMENT

<table>
<thead>
<tr>
<th>Line</th>
<th>Program Element</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>196</td>
<td>0207277F</td>
<td>ISR INNOVATIONS</td>
<td>5,750</td>
<td>5,750</td>
<td>5,750</td>
<td>5,750</td>
<td></td>
</tr>
<tr>
<td>214</td>
<td>0208087F</td>
<td>AF OFFENSIVE CYBERSPACE OPERATIONS</td>
<td>4,000</td>
<td>4,000</td>
<td>4,000</td>
<td>4,000</td>
<td></td>
</tr>
<tr>
<td>318A</td>
<td>9999999999</td>
<td>CLASSIFIED PROGRAMS</td>
<td>112,408</td>
<td>112,408</td>
<td>112,408</td>
<td>112,408</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</td>
<td>122,158</td>
<td>122,158</td>
<td>122,158</td>
<td>122,158</td>
<td></td>
</tr>
</tbody>
</table>

### TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF

<table>
<thead>
<tr>
<th>FY 2018</th>
<th>House</th>
<th>Senate</th>
<th>Conference</th>
<th>Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>135,358</td>
<td>135,358</td>
<td>135,358</td>
<td>135,358</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Amount 1</td>
<td>Amount 2</td>
<td>Amount 3</td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------------------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td>024</td>
<td>ADVANCED TECHNOLOGY DEVELOPMENT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMBATING TERRORISM TECHNOLOGY SUPPORT</td>
<td>25,000</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT</strong></td>
<td><strong>25,000</strong></td>
<td><strong>25,000</strong></td>
<td><strong>25,000</strong></td>
</tr>
<tr>
<td>088</td>
<td>ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ISRAELI COOPERATIVE PROGRAMS</td>
<td>507,646</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Additional Cooperative funds, consistent with Title XVI authorizations</strong></td>
<td><strong>[507,646]</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>253</td>
<td>OPERATIONAL SYSTEM DEVELOPMENT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OPERATIONAL ENHANCEMENTS</td>
<td>1,920</td>
<td>3,920</td>
<td>1,920</td>
</tr>
<tr>
<td></td>
<td><strong>Unfunded Requirement- Publicly Available Information (PAI) Capability Acceleration.</strong></td>
<td><strong>[2,000]</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>256</td>
<td>UNMANNED ISR</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>261A</td>
<td>CLASSIFIED PROGRAMS</td>
<td>196,176</td>
<td>196,176</td>
<td>196,176</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT</strong></td>
<td><strong>201,096</strong></td>
<td><strong>201,096</strong></td>
<td><strong>201,096</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</strong></td>
<td><strong>226,096</strong></td>
<td><strong>735,742</strong></td>
<td><strong>226,096</strong></td>
</tr>
<tr>
<td>010</td>
<td>UNDISTRIBUTED</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ERI costs transfer from OCO to base</td>
<td>–64,092</td>
<td>–64,100</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL UNDISTRIBUTED</strong></td>
<td>–64,092</td>
<td>–64,100</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL RDT&amp;E</strong></td>
<td>648,387</td>
<td>1,093,941</td>
<td>584,287</td>
</tr>
</tbody>
</table>
## TITLE XLIII—OPERATION AND MAINTENANCE

### SEC. 4301. OPERATION AND MAINTENANCE

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MANEUVER UNITS</td>
<td>1,455,366</td>
<td>1,510,066</td>
<td>1,567,545</td>
<td>54,700</td>
<td>1,510,066</td>
</tr>
<tr>
<td></td>
<td>Improve unit training and maintenance readiness</td>
<td></td>
<td>[54,700]</td>
<td>[112,179]</td>
<td>[54,700]</td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>MODULAR SUPPORT BRIGADES</td>
<td>105,147</td>
<td>112,847</td>
<td>118,020</td>
<td>7,700</td>
<td>112,847</td>
</tr>
<tr>
<td></td>
<td>UFR: Readiness to execute NMS</td>
<td></td>
<td>[7,700]</td>
<td>[12,873]</td>
<td>[7,700]</td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>604,117</td>
<td>692,417</td>
<td>751,335</td>
<td>88,300</td>
<td>692,417</td>
</tr>
<tr>
<td></td>
<td>UFR: NETCOM HQ</td>
<td></td>
<td></td>
<td>[13]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Readiness to execute NMS</td>
<td></td>
<td>[88,300]</td>
<td>[147,205]</td>
<td>[88,300]</td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>THEATER LEVEL ASSETS</td>
<td>793,217</td>
<td>820,517</td>
<td>836,222</td>
<td>36,734</td>
<td>829,951</td>
</tr>
<tr>
<td></td>
<td>Decisive Action training and operations</td>
<td></td>
<td>[27,300]</td>
<td>[33,571]</td>
<td>[27,300]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Support Equipment</td>
<td></td>
<td>[9,434]</td>
<td>[9,434]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>1,169,478</td>
<td>1,207,178</td>
<td>1,169,478</td>
<td>37,700</td>
<td>1,207,178</td>
</tr>
<tr>
<td></td>
<td>Combat Training Center Operations and Maintenance</td>
<td></td>
<td>[37,700]</td>
<td>[37,700]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>AVIATION ASSETS</td>
<td>1,496,503</td>
<td>1,524,703</td>
<td>1,496,503</td>
<td>28,200</td>
<td>1,524,703</td>
</tr>
<tr>
<td></td>
<td>Aviation and ISR Maintenance Requirements</td>
<td></td>
<td>[28,200]</td>
<td>[28,200]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>3,675,901</td>
<td>3,758,901</td>
<td>3,725,401</td>
<td>83,680</td>
<td>3,759,581</td>
</tr>
<tr>
<td></td>
<td>SOUTHCOM—Maritime Patrol Aircraft Expansion</td>
<td></td>
<td>[38,500]</td>
<td>[38,500]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SOUTHCOM—Mission and Other Ship Operations</td>
<td></td>
<td>[18,000]</td>
<td>[18,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Funding to support 6k additional endstrength</td>
<td></td>
<td>[680]</td>
<td>[680]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Organizational Clothing &amp; Indv. Equipment maintenance</td>
<td></td>
<td>[26,500]</td>
<td>[44,215]</td>
<td>[26,500]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Support Equipment</td>
<td></td>
<td></td>
<td>[4,605]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>FY16</td>
<td>FY17</td>
<td>FY18</td>
<td>FY19</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>------------------------------------------------------------------------------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>LAND FORCES SYSTEMS READINESS</td>
<td>466,720</td>
<td>466,720</td>
<td>471,592</td>
<td>4,872</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Medical equipment</td>
<td>(4,872)</td>
<td>(4,872)</td>
<td>(4,872)</td>
<td>(4,872)</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>LAND FORCES DEPOT MAINTENANCE</td>
<td>1,443,516</td>
<td>1,490,116</td>
<td>1,521,185</td>
<td>296,600</td>
<td>1,740,116</td>
</tr>
<tr>
<td></td>
<td>Realignment of depot operations from OCO</td>
<td>(250,000)</td>
<td>(250,000)</td>
<td>(250,000)</td>
<td>(250,000)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Depot Maintenance</td>
<td>(46,600)</td>
<td>(77,669)</td>
<td>(46,600)</td>
<td>(46,600)</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>8,080,357</td>
<td>8,093,557</td>
<td>8,171,076</td>
<td>13,200</td>
<td>8,093,557</td>
</tr>
<tr>
<td></td>
<td>C4I / Cyber capabilities enabling support</td>
<td>(13,200)</td>
<td>(22,000)</td>
<td>(13,200)</td>
<td>(13,200)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Engineering Services</td>
<td>(36,949)</td>
<td>(36,949)</td>
<td>(36,949)</td>
<td>(36,949)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Support 6k additional endstrength</td>
<td>(31,770)</td>
<td>(31,770)</td>
<td>(31,770)</td>
<td>(31,770)</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>3,401,155</td>
<td>4,030,202</td>
<td>4,002,972</td>
<td>679,227</td>
<td>4,080,382</td>
</tr>
<tr>
<td></td>
<td>Demolition of excess facilities</td>
<td>(50,000)</td>
<td>(50,000)</td>
<td>(50,000)</td>
<td>(50,000)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td>(154,500)</td>
<td>(70,427)</td>
<td>(154,500)</td>
<td>(154,500)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restore sustainment shortfalls</td>
<td>(424,547)</td>
<td>(481,210)</td>
<td>(424,547)</td>
<td>(424,547)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Support 6k additional endstrength</td>
<td>(50,180)</td>
<td>(50,180)</td>
<td>(50,180)</td>
<td>(50,180)</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>MANAGEMENT AND OPERATIONAL HEADQUARTERS</td>
<td>443,790</td>
<td>443,790</td>
<td>443,790</td>
<td>443,790</td>
<td>443,790</td>
</tr>
<tr>
<td>140</td>
<td>ADDITIONAL ACTIVITIES</td>
<td>8,900</td>
<td>8,900</td>
<td>8,900</td>
<td>8,900</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Training, supplies, spares, and repair site support</td>
<td>(8,900)</td>
<td>(8,900)</td>
<td>(8,900)</td>
<td>(8,900)</td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>US AFRICA COMMAND</td>
<td>225,382</td>
<td>225,382</td>
<td>225,382</td>
<td>225,382</td>
<td></td>
</tr>
<tr>
<td>190</td>
<td>US EUROPEAN COMMAND</td>
<td>141,352</td>
<td>141,352</td>
<td>141,352</td>
<td>141,352</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>US SOUTHERN COMMAND</td>
<td>190,811</td>
<td>190,811</td>
<td>190,811</td>
<td>190,811</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mission and Other Ship Operations</td>
<td>(3,500)</td>
<td>(3,500)</td>
<td>(3,500)</td>
<td>(3,500)</td>
<td></td>
</tr>
<tr>
<td>210</td>
<td>US FORCES KOREA</td>
<td>59,578</td>
<td>59,578</td>
<td>59,578</td>
<td>59,578</td>
<td></td>
</tr>
<tr>
<td>SUBTOTAL OPERATING FORCES</td>
<td>23,782,390</td>
<td>24,780,537</td>
<td>24,892,242</td>
<td>1,343,313</td>
<td>25,095,703</td>
<td></td>
</tr>
<tr>
<td>MOBILIZATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>220</td>
<td>STRATEGIC MOBILITY</td>
<td>346,667</td>
<td>347,791</td>
<td>347,791</td>
<td>1,124</td>
<td>347,791</td>
</tr>
<tr>
<td></td>
<td>UFR: Readiness increase</td>
<td>(1,124)</td>
<td>(1,124)</td>
<td>(1,124)</td>
<td>(1,124)</td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>ARMY PREPOSITIONED STOCKS</td>
<td>422,108</td>
<td>427,346</td>
<td>427,346</td>
<td>5,238</td>
<td>427,346</td>
</tr>
<tr>
<td></td>
<td>UFR: Readiness increase</td>
<td>(5,238)</td>
<td>(5,238)</td>
<td>(5,238)</td>
<td>(5,238)</td>
<td></td>
</tr>
<tr>
<td>240</td>
<td>INDUSTRIAL PREPAREDNESS</td>
<td>7,750</td>
<td>7,750</td>
<td>7,750</td>
<td>7,750</td>
<td></td>
</tr>
<tr>
<td>SUBTOTAL MOBILIZATION</td>
<td>776,525</td>
<td>782,887</td>
<td>782,887</td>
<td>6,362</td>
<td>782,887</td>
<td></td>
</tr>
</tbody>
</table>

MOBILIZATION
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>TRAINING AND RECRUITING</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>OFFICER ACQUISITION</td>
<td>137,556</td>
<td>137,556</td>
<td>137,556</td>
<td>137,556</td>
<td></td>
</tr>
<tr>
<td>260</td>
<td>RECRUIT TRAINING</td>
<td>58,872</td>
<td>58,872</td>
<td>60,264</td>
<td>1,392</td>
<td>60,264</td>
</tr>
<tr>
<td></td>
<td>UFR: Recruit training</td>
<td></td>
<td>(1,392)</td>
<td>(1,392)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>270</td>
<td>ONE STATION UNIT TRAINING</td>
<td>58,035</td>
<td>58,035</td>
<td>59,921</td>
<td>1,886</td>
<td>59,921</td>
</tr>
<tr>
<td></td>
<td>UFR: One Station Unit Training</td>
<td></td>
<td>(1,886)</td>
<td>(1,886)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>280</td>
<td>SENIOR RESERVE OFFICERS TRAINING CORPS</td>
<td>505,089</td>
<td>505,089</td>
<td>505,762</td>
<td>673</td>
<td>505,762</td>
</tr>
<tr>
<td></td>
<td>UFR: Supports commissions for increase end strength</td>
<td></td>
<td>(673)</td>
<td>(673)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>SPECIALIZED SKILL TRAINING</td>
<td>1,015,541</td>
<td>1,018,685</td>
<td>1,030,834</td>
<td>18,437</td>
<td>1,033,978</td>
</tr>
<tr>
<td></td>
<td>Leadership development and training</td>
<td></td>
<td>(3,144)</td>
<td>(3,144)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Supports increased capacity</td>
<td></td>
<td>(15,293)</td>
<td>(15,293)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>FLIGHT TRAINING</td>
<td>1,124,115</td>
<td>1,124,115</td>
<td>1,124,115</td>
<td>1,124,115</td>
<td></td>
</tr>
<tr>
<td>310</td>
<td>PROFESSIONAL DEVELOPMENT EDUCATION</td>
<td>220,688</td>
<td>220,688</td>
<td>220,688</td>
<td>220,688</td>
<td></td>
</tr>
<tr>
<td>320</td>
<td>TRAINING SUPPORT</td>
<td>618,164</td>
<td>621,690</td>
<td>621,690</td>
<td>3,526</td>
<td>621,690</td>
</tr>
<tr>
<td></td>
<td>Department of the Army directed training</td>
<td></td>
<td>(3,526)</td>
<td>(3,526)</td>
<td>(3,526)</td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>RECRUITING AND ADVERTISING</td>
<td>613,586</td>
<td>613,586</td>
<td>624,259</td>
<td>10,673</td>
<td>624,259</td>
</tr>
<tr>
<td></td>
<td>UFR: Supports increased capacity</td>
<td></td>
<td>(10,673)</td>
<td>(10,673)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>340</td>
<td>EXAMINING</td>
<td>171,223</td>
<td>171,223</td>
<td>171,223</td>
<td>171,223</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Supports increased capacity</td>
<td></td>
<td>(350)</td>
<td>(350)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>350</td>
<td>OFF-DUTY AND VOLUNTARY EDUCATION</td>
<td>214,738</td>
<td>214,738</td>
<td>215,088</td>
<td>350</td>
<td>215,088</td>
</tr>
<tr>
<td></td>
<td>UFR: Supports increased capacity</td>
<td></td>
<td>[350]</td>
<td>[350]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>360</td>
<td>CIVILIAN EDUCATION AND TRAINING</td>
<td>195,099</td>
<td>195,099</td>
<td>195,099</td>
<td>195,099</td>
<td></td>
</tr>
<tr>
<td>370</td>
<td>JUNIOR RESERVE OFFICER TRAINING CORPS</td>
<td>176,116</td>
<td>176,116</td>
<td>176,116</td>
<td>176,116</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL TRAINING AND RECRUITING</strong></td>
<td><strong>5,108,822</strong></td>
<td><strong>5,115,492</strong></td>
<td><strong>5,142,615</strong></td>
<td><strong>36,937</strong></td>
<td><strong>5,145,759</strong></td>
</tr>
<tr>
<td></td>
<td><strong>ADMIN &amp; SRVWIDE ACTIVITIES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>390</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>555,502</td>
<td>613,402</td>
<td>652,065</td>
<td>154,463</td>
<td>709,965</td>
</tr>
<tr>
<td></td>
<td>Logistics associated with increased end strength</td>
<td></td>
<td>(57,900)</td>
<td>(57,900)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>2018</td>
<td>2019</td>
<td>2020</td>
<td>2021</td>
<td>2022</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>400</td>
<td>CENTRAL SUPPLY ACTIVITIES</td>
<td>894,208</td>
<td>894,208</td>
<td>894,208</td>
<td>894,208</td>
<td>894,208</td>
</tr>
<tr>
<td>410</td>
<td>LOGISTIC SUPPORT ACTIVITIES</td>
<td>715,462</td>
<td>715,462</td>
<td>715,462</td>
<td>715,462</td>
<td>715,462</td>
</tr>
<tr>
<td>420</td>
<td>AMMUNITION MANAGEMENT</td>
<td>446,931</td>
<td>446,931</td>
<td>446,931</td>
<td>446,931</td>
<td>446,931</td>
</tr>
<tr>
<td>430</td>
<td>ADMINISTRATION</td>
<td>493,616</td>
<td>493,616</td>
<td>493,616</td>
<td>493,616</td>
<td>493,616</td>
</tr>
<tr>
<td>440</td>
<td>SERVICEWIDE COMMUNICATIONS</td>
<td>2,084,922</td>
<td>2,102,822</td>
<td>2,094,922</td>
<td>27,900</td>
<td>2,112,822</td>
</tr>
<tr>
<td></td>
<td>Annual maintenance of Enterprise License Agreements</td>
<td>(17,900)</td>
<td>(17,900)</td>
<td>(10,000)</td>
<td>(10,000)</td>
<td>(3,600)</td>
</tr>
<tr>
<td>450</td>
<td>MANPOWER MANAGEMENT</td>
<td>259,588</td>
<td>259,588</td>
<td>259,588</td>
<td>259,588</td>
<td>259,588</td>
</tr>
<tr>
<td>460</td>
<td>OTHER PERSONNEL SUPPORT</td>
<td>326,387</td>
<td>326,387</td>
<td>326,387</td>
<td>326,387</td>
<td>326,387</td>
</tr>
<tr>
<td>470</td>
<td>OTHER SERVICE SUPPORT</td>
<td>1,087,602</td>
<td>1,078,602</td>
<td>1,046,202</td>
<td>(14,085)</td>
<td>1,073,517</td>
</tr>
<tr>
<td></td>
<td>Program decrease</td>
<td>(–9,000)</td>
<td>(–45,000)</td>
<td>(–14,085)</td>
<td>(–9,000)</td>
<td>(–45,000)</td>
</tr>
<tr>
<td>480</td>
<td>ARMY CLAIMS ACTIVITIES</td>
<td>210,514</td>
<td>210,514</td>
<td>234,014</td>
<td>3,500</td>
<td>214,014</td>
</tr>
<tr>
<td></td>
<td>UFR: Supports JAG increase needs</td>
<td>(3,500)</td>
<td>(3,500)</td>
<td>(3,500)</td>
<td>(3,500)</td>
<td>(3,500)</td>
</tr>
<tr>
<td>490</td>
<td>REAL ESTATE MANAGEMENT</td>
<td>243,584</td>
<td>243,584</td>
<td>256,737</td>
<td>13,153</td>
<td>256,737</td>
</tr>
<tr>
<td>500</td>
<td>FINANCIAL MANAGEMENT AND AUDIT READINESS</td>
<td>284,592</td>
<td>292,992</td>
<td>284,592</td>
<td>284,592</td>
<td>284,592</td>
</tr>
<tr>
<td></td>
<td>DISA migration cost and system support</td>
<td>(8,400)</td>
<td>(8,400)</td>
<td>(8,400)</td>
<td>(8,400)</td>
<td>(8,400)</td>
</tr>
<tr>
<td>510</td>
<td>INTERNATIONAL MILITARY HEADQUARTERS</td>
<td>415,694</td>
<td>415,694</td>
<td>415,694</td>
<td>415,694</td>
<td>415,694</td>
</tr>
<tr>
<td>520</td>
<td>MISC. SUPPORT OF OTHER NATIONS</td>
<td>46,856</td>
<td>46,856</td>
<td>46,856</td>
<td>46,856</td>
<td>46,856</td>
</tr>
<tr>
<td>565</td>
<td>CLASSIFIED PROGRAMS</td>
<td>1,242,222</td>
<td>1,242,222</td>
<td>1,242,222</td>
<td>5,000</td>
<td>1,247,222</td>
</tr>
<tr>
<td></td>
<td>Army Analytics Group</td>
<td>(5,000)</td>
<td>(5,000)</td>
<td>(5,000)</td>
<td>(5,000)</td>
<td>(5,000)</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SERVICEWIDE ACTIVITIES</td>
<td>9,307,880</td>
<td>9,307,880</td>
<td>9,389,496</td>
<td>189,931</td>
<td>9,497,611</td>
</tr>
<tr>
<td>570</td>
<td>UNDISTRIBUTED</td>
<td>–426,100</td>
<td>–415,900</td>
<td>–415,900</td>
<td>–20,600</td>
<td>–31,100</td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td>(–20,600)</td>
<td>(–31,100)</td>
<td>(–20,600)</td>
<td>(–31,100)</td>
<td>(–31,100)</td>
</tr>
<tr>
<td></td>
<td>Foreign Currency adjustments</td>
<td>(–146,400)</td>
<td>(–146,400)</td>
<td>(–146,400)</td>
<td>(–146,400)</td>
<td>(–146,400)</td>
</tr>
<tr>
<td></td>
<td>Historical unobligated balances</td>
<td>(–259,100)</td>
<td>(–238,400)</td>
<td>(–259,100)</td>
<td>(–238,400)</td>
<td>(–238,400)</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td>–426,100</td>
<td>–415,900</td>
<td>–415,900</td>
<td>–20,600</td>
<td>–31,100</td>
</tr>
</tbody>
</table>
### SEC. 4301. OPERATION AND MAINTENANCE

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>000</td>
<td>TOTAL OPERATION &amp; MAINTENANCE, ARMY</td>
<td>38,945,417</td>
<td>39,640,696</td>
<td>40,207,240</td>
<td>1,160,643</td>
<td>40,106,060</td>
</tr>
<tr>
<td></td>
<td>OPERATION &amp; MAINTENANCE, ARMY RES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>MODULAR SUPPORT BRIGADES</td>
<td></td>
<td>11,461</td>
<td>11,461</td>
<td>286</td>
<td>11,747</td>
</tr>
<tr>
<td>020</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>577,410</td>
<td>593,053</td>
<td>593,053</td>
<td>15,643</td>
<td>593,053</td>
</tr>
<tr>
<td>030</td>
<td>THEATER LEVEL ASSETS</td>
<td>117,298</td>
<td>122,016</td>
<td>122,016</td>
<td>4,718</td>
<td>122,016</td>
</tr>
<tr>
<td>040</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>552,016</td>
<td>564,934</td>
<td>564,934</td>
<td>12,918</td>
<td>564,934</td>
</tr>
<tr>
<td>050</td>
<td>AVIATION ASSETS</td>
<td>80,302</td>
<td>81,461</td>
<td>81,461</td>
<td>1,159</td>
<td>81,461</td>
</tr>
<tr>
<td>060</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>399,035</td>
<td>399,258</td>
<td>403,635</td>
<td>4,823</td>
<td>403,858</td>
</tr>
<tr>
<td>070</td>
<td>LAND FORCES SYSTEMS READINESS</td>
<td>102,687</td>
<td>102,687</td>
<td>102,687</td>
<td>102,687</td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>LAND FORCES DEPOT MAINTENANCE</td>
<td>56,016</td>
<td>56,016</td>
<td>56,016</td>
<td>56,016</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>599,947</td>
<td>600,497</td>
<td>600,497</td>
<td>550</td>
<td>600,497</td>
</tr>
<tr>
<td>100</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>273,940</td>
<td>356,559</td>
<td>304,690</td>
<td>50,750</td>
<td>324,690</td>
</tr>
<tr>
<td></td>
<td>Demolition of excess facilities</td>
<td>(25,000)</td>
<td>(20,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Address facility restoration backlog</td>
<td>(12,300)</td>
<td>(4,465)</td>
<td>(4,465)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Increased facilities sustainment</td>
<td>(45,319)</td>
<td>(26,285)</td>
<td>(26,285)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>MANAGEMENT AND OPERATIONAL HEADQUARTERS</td>
<td>22,909</td>
<td>22,909</td>
<td>22,909</td>
<td></td>
<td>22,909</td>
</tr>
<tr>
<td>111</td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>2,783,021</td>
<td>2,910,301</td>
<td>2,883,868</td>
<td>90,847</td>
<td>2,883,868</td>
</tr>
</tbody>
</table>

**UFR:**

- ARNG Operational Demand Model to 82%
- Operational Demand Model to 82%
- Support additional capacity
- Address facility restoration backlog
- Support 6k additional endstrength
- Increased facilities sustainment
<table>
<thead>
<tr>
<th>ADMIN &amp; SRVWD ACTIVITIES</th>
<th>117</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>11,116</td>
</tr>
<tr>
<td>ADMINISTRATION</td>
<td>17,962</td>
</tr>
<tr>
<td>SERVICEWIDE COMMUNICATIONS</td>
<td>18,550</td>
</tr>
<tr>
<td>UFR: Equipment support</td>
<td>2,400</td>
</tr>
<tr>
<td>MANPOWER MANAGEMENT</td>
<td>6,166</td>
</tr>
<tr>
<td>RECRUITING AND ADVERTISING</td>
<td>60,027</td>
</tr>
<tr>
<td>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</td>
<td>113,821</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UNDISTRIBUTED</th>
<th>-3,800</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDISTRIBUTED</td>
<td>-3,800</td>
</tr>
<tr>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td>-3,800</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES</th>
<th>2,906,842</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPERATION &amp; MAINTENANCE, ARNG OPERATING FORCES</td>
<td>3,024,022</td>
</tr>
<tr>
<td>MANEUVER UNITS</td>
<td>777,883</td>
</tr>
<tr>
<td>UFR: Readiness increase</td>
<td>33,100</td>
</tr>
<tr>
<td>MODULAR SUPPORT BRIGADES</td>
<td>190,639</td>
</tr>
<tr>
<td>ECHELONS ABOVE BRIGADE</td>
<td>807,557</td>
</tr>
<tr>
<td>UFR: Operational Demand Model to 82%</td>
<td>11,900</td>
</tr>
<tr>
<td>THEATER LEVEL ASSETS</td>
<td>85,476</td>
</tr>
<tr>
<td>UFR: Operational Demand Model to 82%</td>
<td>7,900</td>
</tr>
<tr>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>36,672</td>
</tr>
<tr>
<td>UFR: Increased aviation readiness</td>
<td>2,225</td>
</tr>
<tr>
<td>AVIATION ASSETS</td>
<td>956,381</td>
</tr>
<tr>
<td>UFR: Supports increased capacity</td>
<td>18,200</td>
</tr>
<tr>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>777,756</td>
</tr>
<tr>
<td>UFR: Supports increased capacity</td>
<td>185</td>
</tr>
</tbody>
</table>
## SEC. 4301. OPERATION AND MAINTENANCE
### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>080</td>
<td>LAND FORCES SYSTEMS READINESS</td>
<td>51,506</td>
<td>51,506</td>
<td>51,506</td>
<td>51,506</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>LAND FORCES DEPOT MAINTENANCE</td>
<td>244,942</td>
<td>244,942</td>
<td>244,942</td>
<td>244,942</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>1,144,726</td>
<td>1,144,726</td>
<td>1,148,576</td>
<td>3,850</td>
<td>1,148,576</td>
</tr>
<tr>
<td></td>
<td>UFR: Support increase end-strength</td>
<td>3,850</td>
<td>3,850</td>
<td>3,850</td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>781,895</td>
<td>955,795</td>
<td>876,734</td>
<td>119,839</td>
<td>901,734</td>
</tr>
<tr>
<td></td>
<td>Demolition of excess facilities</td>
<td>25,000</td>
<td>25,000</td>
<td>25,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Address facility restoration backlog</td>
<td>20,108</td>
<td>20,108</td>
<td>20,108</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Facilities Sustainment improvement</td>
<td>113,700</td>
<td>74,731</td>
<td>74,731</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>MANAGEMENT AND OPERATIONAL HEADQUARTERS</td>
<td>999,052</td>
<td>999,052</td>
<td>999,292</td>
<td>240</td>
<td>999,292</td>
</tr>
<tr>
<td></td>
<td>UFR: Support increase end-strength</td>
<td>240</td>
<td>240</td>
<td>240</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>6,854,485</strong></td>
<td><strong>7,101,895</strong></td>
<td><strong>7,028,908</strong></td>
<td><strong>181,233</strong></td>
<td><strong>7,035,718</strong></td>
</tr>
<tr>
<td></td>
<td><strong>ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>7,703</td>
<td>7,703</td>
<td>7,703</td>
<td>7,703</td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>ADMINISTRATION</td>
<td>79,236</td>
<td>81,236</td>
<td>79,236</td>
<td>1,150</td>
<td>80,386</td>
</tr>
<tr>
<td></td>
<td>Department of Defense State Partnership Program</td>
<td>(2,000)</td>
<td>(2,000)</td>
<td>(1,150)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>SERVICEWIDE COMMUNICATIONS</td>
<td>85,160</td>
<td>94,760</td>
<td>85,160</td>
<td>9,600</td>
<td>94,760</td>
</tr>
<tr>
<td></td>
<td>Annual maintenance of Enterprise License Agreements</td>
<td>(9,600)</td>
<td>(9,600)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>MANPOWER MANAGEMENT</td>
<td>8,654</td>
<td>8,654</td>
<td>8,654</td>
<td>8,654</td>
<td></td>
</tr>
<tr>
<td>170</td>
<td>OTHER PERSONNEL SUPPORT</td>
<td>268,839</td>
<td>277,339</td>
<td>277,339</td>
<td>8,500</td>
<td>277,339</td>
</tr>
<tr>
<td></td>
<td>UFR: Behavior Health Specialists</td>
<td>(8,500)</td>
<td>(8,500)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>REAL ESTATE MANAGEMENT</td>
<td>3,093</td>
<td>3,093</td>
<td>3,093</td>
<td>3,093</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td><strong>452,685</strong></td>
<td><strong>464,285</strong></td>
<td><strong>461,185</strong></td>
<td><strong>19,250</strong></td>
<td><strong>471,935</strong></td>
</tr>
<tr>
<td></td>
<td><strong>UNDISTRIBUTED</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>190</td>
<td>UNDISTRIBUTED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

118

---

November 7, 2017 (1:25 p.m.)

DSK79H1C42 with DEFAULT_TEST
## Subtotal Undistributed

<table>
<thead>
<tr>
<th>Subtotal Undistributed</th>
<th>-10,700</th>
<th>-16,100</th>
<th>-16,100</th>
</tr>
</thead>
</table>

## Total Operation & Maintenance, ARNG

<table>
<thead>
<tr>
<th>Subtotal</th>
<th>7,307,170</th>
<th>7,555,480</th>
<th>7,490,093</th>
<th>184,383</th>
<th>7,491,553</th>
</tr>
</thead>
</table>

## Operation & Maintenance, Navy

### Operating Forces

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>Mission &amp; Other Flight Operations</td>
<td>5,544,165</td>
<td>5,566,165</td>
<td>5,544,165</td>
<td>22,000</td>
</tr>
</tbody>
</table>

Cbt logistics Mnt for TAO–187

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>020</td>
<td>Fleet Air Training</td>
<td>2,075,000</td>
<td>2,075,000</td>
<td>2,075,000</td>
<td>2,075,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>030</td>
<td>Aviation Technical Data &amp; Engineering Services</td>
<td>46,801</td>
<td>46,801</td>
<td>46,801</td>
<td>46,801</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>040</td>
<td>Air Operations &amp; Safety Support</td>
<td>119,624</td>
<td>119,624</td>
<td>119,624</td>
<td>119,624</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>050</td>
<td>Air Systems Support</td>
<td>552,536</td>
<td>594,536</td>
<td>594,536</td>
<td>42,000</td>
</tr>
</tbody>
</table>

Cbt logistics Mnt for TAO–187

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>060</td>
<td>Aircraft Depot Maintenance</td>
<td>1,088,482</td>
<td>1,088,482</td>
<td>1,088,482</td>
<td>1,088,482</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>070</td>
<td>Aircraft Depot Operations Support</td>
<td>40,584</td>
<td>40,584</td>
<td>40,584</td>
<td>40,584</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>080</td>
<td>Aviation Logistics</td>
<td>723,786</td>
<td>843,786</td>
<td>843,786</td>
<td>120,000</td>
</tr>
</tbody>
</table>

UFR: Fund to Max Executable

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>090</td>
<td>Mission &amp; Other Ship Operations</td>
<td>4,067,334</td>
<td>4,067,334</td>
<td>4,089,334</td>
<td>4,067,334</td>
</tr>
</tbody>
</table>

UFR: Combat Logistics Maintenance Funding TAO–187

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Ship Operations Support &amp; Training</td>
<td>977,701</td>
<td>977,701</td>
<td>977,701</td>
<td>977,701</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>Ship Depot Maintenance</td>
<td>7,839,358</td>
<td>7,848,858</td>
<td>7,839,358</td>
<td>7,839,358</td>
</tr>
</tbody>
</table>

Western Pacific Ship Repair | (9,500) |

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>Ship Depot Operations Support</td>
<td>2,193,851</td>
<td>2,193,851</td>
<td>2,193,851</td>
<td>2,193,851</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>130</td>
<td>Combat Communications and Electronic Warfare</td>
<td>1,288,094</td>
<td>1,294,094</td>
<td>1,288,094</td>
<td>1,288,094</td>
</tr>
</tbody>
</table>

Logistics support for legacy C41 systems | (6,000) |

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>Space Systems and Surveillance</td>
<td>206,678</td>
<td>206,678</td>
<td>206,678</td>
<td>206,678</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>Warfare Tactics</td>
<td>621,581</td>
<td>622,581</td>
<td>622,581</td>
<td>622,581</td>
</tr>
</tbody>
</table>

UFR: Operational range Clearance and Environmental Compliance | (1,000) |

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>170</td>
<td>Operational Meteorology and Oceanography</td>
<td>370,681</td>
<td>370,681</td>
<td>370,681</td>
<td>370,681</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>180</td>
<td>Combat Support Forces</td>
<td>1,437,966</td>
<td>1,454,966</td>
<td>1,437,966</td>
<td>1,454,966</td>
</tr>
</tbody>
</table>

Coastal Riverine Force meet operational requirements | (7,000) |

COMPACFLT C41 Upgrade | (10,000) |
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>190</td>
<td>EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT</td>
</tr>
<tr>
<td>210</td>
<td>COMBATANT COMMANDERS CORE OPERATIONS</td>
</tr>
<tr>
<td>220</td>
<td>COMBATANT COMMANDERS DIRECT MISSION SUPPORT</td>
</tr>
<tr>
<td></td>
<td>Joint Training Capability and Exercise Programs</td>
</tr>
<tr>
<td></td>
<td>No-Notice Agile Logistics Exercise</td>
</tr>
<tr>
<td>230</td>
<td>MILITARY INFORMATION SUPPORT OPERATIONS</td>
</tr>
<tr>
<td>240</td>
<td>CYBERSPACE ACTIVITIES</td>
</tr>
<tr>
<td>260</td>
<td>FLEET BALLISTIC MISSILE</td>
</tr>
<tr>
<td>280</td>
<td>WEAPONS MAINTENANCE</td>
</tr>
<tr>
<td></td>
<td>UFR: Munitions wholeness</td>
</tr>
<tr>
<td>290</td>
<td>OTHER WEAPON SYSTEMS SUPPORT</td>
</tr>
<tr>
<td>300</td>
<td>ENTERPRISE INFORMATION</td>
</tr>
<tr>
<td></td>
<td>Under execution</td>
</tr>
<tr>
<td>310</td>
<td>SUSTAINMENT, RESTORATION AND MODERNIZATION</td>
</tr>
<tr>
<td></td>
<td>Demolition of excess facilities</td>
</tr>
<tr>
<td></td>
<td>NHHC Reduction</td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
</tr>
<tr>
<td></td>
<td>UFR: 88% of Facility Sustainment requirements</td>
</tr>
<tr>
<td></td>
<td>UFR: MPT&amp;E Management System IT Modernization</td>
</tr>
<tr>
<td>320</td>
<td>BASE OPERATING SUPPORT</td>
</tr>
<tr>
<td></td>
<td>Operational range clearance</td>
</tr>
<tr>
<td></td>
<td>Port Operations Service Craft Maintenance</td>
</tr>
<tr>
<td></td>
<td>UFR: FSRM Increases</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
</tr>
<tr>
<td></td>
<td>MOBILIZATION</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SHIP PREPOSITIONING AND SURGE</td>
</tr>
<tr>
<td>UFR: Strategic Sealift</td>
<td></td>
</tr>
<tr>
<td>------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>360 SPH ACTIVATIONS/INACTIVATIONS</td>
<td>198,341</td>
</tr>
<tr>
<td>370 EXPEDITIONARY HEALTH SERVICES SYSTEMS</td>
<td>66,849</td>
</tr>
<tr>
<td>390 COAST GUARD SUPPORT</td>
<td>21,870</td>
</tr>
<tr>
<td><strong>SUBTOTAL MOBILIZATION</strong></td>
<td><strong>704,510</strong></td>
</tr>
</tbody>
</table>

### Training and Recruiting

| 400 OFFICER ACQUISITION | 143,924 | 143,924 | 143,924 | 143,924 |
| 410 RECRUIT TRAINING | 8,975 | 8,975 | 8,975 | 8,975 |
| 420 RESERVE OFFICERS TRAINING CORPS | 144,708 | 144,708 | 144,708 | 144,708 |
| 430 SPECIALIZED SKILL TRAINING | 812,708 | 812,708 | 812,708 | 812,708 |
| 450 PROFESSIONAL DEVELOPMENT EDUCATION | 180,448 | 182,448 | 180,448 | 182,448 |
| Naval Sea Cadets | (2,000) | (2,000) | (2,000) | (2,000) |
| 460 TRAINING SUPPORT | 234,596 | 234,596 | 234,596 | 234,596 |
| 470 RECRUITING AND ADVERTISING | 177,517 | 177,517 | 177,517 | 177,517 |
| 480 OFF-DUTY AND VOLUNTARY EDUCATION | 103,154 | 103,154 | 103,154 | 103,154 |
| 490 CIVILIAN EDUCATION AND TRAINING | 72,216 | 72,216 | 72,216 | 72,216 |
| 500 JUNIOR ROTC | 53,262 | 53,262 | 53,262 | 53,262 |
| **SUBTOTAL TRAINING AND RECRUITING** | **1,931,508** | **1,933,508** | **1,931,508** | **2,000** | **1,933,508** |

### Admin & Srvcwd Activities

<p>| 510 ADMINISTRATION | 1,135,429 | 1,126,429 | 1,135,429 | –9,000 | 1,126,429 |
| Program decrease | [-9,000] | [-9,000] | [-9,000] | [-9,000] |
| 530 CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT | 149,365 | 149,365 | 149,365 | 149,365 |
| 540 MILITARY MANPOWER AND PERSONNEL MANAGEMENT | 386,749 | 386,749 | 386,749 | 386,749 |
| 590 SERVICEWIDE TRANSPORTATION | 165,301 | 165,301 | 165,301 | 165,301 |
| 610 PLANNING, ENGINEERING, AND PROGRAM SUPPORT | 311,616 | 311,616 | 311,616 | 311,616 |
| 620 ACQUISITION, LOGISTICS, AND OVERSIGHT | 665,580 | 665,580 | 665,580 | 665,580 |
| 660 INVESTIGATIVE AND SECURITY SERVICES | 659,143 | 659,143 | 659,143 | 659,143 |
| 775 CLASSIFIED PROGRAMS | 543,193 | 553,193 | 543,193 | 543,193 |
| Research and Technology Protection | (10,000) | (10,000) | (10,000) | (10,000) |
| <strong>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</strong> | <strong>4,016,376</strong> | <strong>4,017,376</strong> | <strong>4,016,376</strong> | <strong>–9,000</strong> | <strong>4,007,376</strong> |</p>
<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>780</td>
<td>UNDISTRIBUTED</td>
<td>780 UNDISTRIBUTED</td>
<td>–356,800</td>
<td>–415,400</td>
<td>–415,400</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td>–143,600</td>
<td>–216,600</td>
<td>–216,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foreign Currency adjustments</td>
<td>–35,300</td>
<td>–35,300</td>
<td>–35,300</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Historical un obrigated balances</td>
<td>–177,900</td>
<td>–163,500</td>
<td>–163,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL UNDISTRIBUTED</strong></td>
<td><strong>–356,800</strong></td>
<td><strong>–415,400</strong></td>
<td><strong>–415,400</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, NAVY</strong></td>
<td><strong>46,112,907</strong></td>
<td><strong>46,497,907</strong></td>
<td><strong>46,874,088</strong></td>
<td><strong>277,900</strong></td>
<td><strong>46,390,807</strong></td>
</tr>
<tr>
<td></td>
<td><strong>OPERATION &amp; MAINTENANCE, MARINE CORPS</strong></td>
<td><strong>OPERATING FORCES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>OPERATIONAL FORCES</td>
<td>967,949</td>
<td>967,949</td>
<td>967,949</td>
<td>967,949</td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>FIELD LOGISTICS</td>
<td>1,065,090</td>
<td>1,065,090</td>
<td>1,068,190</td>
<td>3,100</td>
<td>1,068,190</td>
</tr>
<tr>
<td></td>
<td>UFR: Long Endurance Small UAS</td>
<td>85,577</td>
<td>85,577</td>
<td>85,577</td>
<td>85,577</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>2,196,252</strong></td>
<td><strong>2,196,252</strong></td>
<td><strong>2,196,252</strong></td>
<td><strong>2,196,252</strong></td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>BASE OPERATING SUPPORT</td>
<td>2,196,252</td>
<td>2,196,252</td>
<td>2,196,252</td>
<td>2,196,252</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>5,568,285</strong></td>
<td><strong>5,785,772</strong></td>
<td><strong>5,615,176</strong></td>
<td><strong>122,191</strong></td>
<td><strong>5,690,476</strong></td>
</tr>
<tr>
<td>080</td>
<td>RECRUIT TRAINING</td>
<td>16,163</td>
<td>16,163</td>
<td>16,163</td>
<td>16,163</td>
<td></td>
</tr>
<tr>
<td>Activity</td>
<td>2016</td>
<td>2017</td>
<td>2018</td>
<td>2019</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Officer Acquisition</td>
<td>1,154</td>
<td>1,154</td>
<td>1,154</td>
<td>1,154</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specialized Skill Training</td>
<td>100,398</td>
<td>100,398</td>
<td>100,398</td>
<td>100,398</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional Development Education</td>
<td>46,474</td>
<td>46,474</td>
<td>46,474</td>
<td>46,474</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Training Support</td>
<td>405,039</td>
<td>405,039</td>
<td>405,039</td>
<td>405,039</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recruiting and Advertising</td>
<td>201,601</td>
<td>201,601</td>
<td>201,601</td>
<td>201,601</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Off-duty and Voluntary Education</td>
<td>32,045</td>
<td>32,045</td>
<td>32,045</td>
<td>32,045</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JROTC</td>
<td>24,394</td>
<td>24,394</td>
<td>24,394</td>
<td>24,394</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal Training and Recruiting</strong></td>
<td>827,268</td>
<td>827,268</td>
<td>827,268</td>
<td>827,268</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Servicewide Transportation</td>
<td>28,827</td>
<td>28,827</td>
<td>28,827</td>
<td>28,827</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>378,683</td>
<td>375,683</td>
<td>378,683</td>
<td>375,683</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acquisition and Program Management</td>
<td>77,684</td>
<td>77,684</td>
<td>77,684</td>
<td>77,684</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classified Programs</td>
<td>52,661</td>
<td>52,661</td>
<td>52,661</td>
<td>52,661</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal Admin &amp; SRVWD Activities</strong></td>
<td>537,855</td>
<td>534,855</td>
<td>537,855</td>
<td>534,855</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undistributed</td>
<td>-38,000</td>
<td>-38,000</td>
<td>-38,000</td>
<td>-38,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excessive standard price for fuel</td>
<td>[-1,800]</td>
<td>[-2,700]</td>
<td>[-2,700]</td>
<td>[-2,700]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>050</td>
<td>AVIATION LOGISTICS</td>
<td>13,822</td>
<td>13,822</td>
<td>13,822</td>
<td>13,822</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>SHIP OPERATIONS SUPPORT &amp; TRAINING</td>
<td>571</td>
<td>571</td>
<td>571</td>
<td>571</td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>COMBAT COMMUNICATIONS</td>
<td>16,718</td>
<td>16,718</td>
<td>16,718</td>
<td>16,718</td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>COMBAT SUPPORT FORCES</td>
<td>118,079</td>
<td>118,079</td>
<td>118,079</td>
<td>118,079</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>CYBERSPACE ACTIVITIES</td>
<td>308</td>
<td>308</td>
<td>308</td>
<td>308</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>ENTERPRISE INFORMATION</td>
<td>28,650</td>
<td>28,650</td>
<td>28,650</td>
<td>28,650</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>SUSTAINMENT, RESTORATION AND MODERNIZATION</td>
<td>86,354</td>
<td>97,854</td>
<td>91,354</td>
<td>9,500</td>
<td>95,854</td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td>(1,500)</td>
<td>(1,500)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restore sustainment shortfalls</td>
<td>(10,000)</td>
<td>(5,000)</td>
<td>(8,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>BASE OPERATING SUPPORT</td>
<td>103,596</td>
<td>103,596</td>
<td>103,596</td>
<td>103,596</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>1,066,118</td>
<td>1,077,618</td>
<td>1,071,118</td>
<td>9,500</td>
<td>1,075,618</td>
</tr>
<tr>
<td></td>
<td>ADMIN &amp; SRVWD ACTIVITIES</td>
<td>1,371</td>
<td>1,371</td>
<td>1,371</td>
<td>1,371</td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>ADMINISTRATION</td>
<td>13,289</td>
<td>13,289</td>
<td>13,289</td>
<td>13,289</td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>MILITARY MANPOWER AND PERSONNEL MANAGEMENT</td>
<td>3,229</td>
<td>3,229</td>
<td>3,229</td>
<td>3,229</td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>ACQUISITION AND PROGRAM MANAGEMENT</td>
<td>17,889</td>
<td>17,889</td>
<td>17,889</td>
<td>17,889</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</td>
<td>17,889</td>
<td>17,889</td>
<td>17,889</td>
<td>17,889</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNDISTRIBUTED</td>
<td>9,800</td>
<td>14,800</td>
<td>14,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>UNDISTRIBUTED</td>
<td>-9,800</td>
<td>-14,800</td>
<td>-14,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td>[-9,800]</td>
<td>[-14,800]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td>-9,800</td>
<td>-14,800</td>
<td>-14,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES</td>
<td>1,084,007</td>
<td>1,085,707</td>
<td>1,089,007</td>
<td>-5,300</td>
<td>1,078,707</td>
</tr>
</tbody>
</table>

OPERATION & MAINTENANCE, MC RESERVE
OPERATING FORCES
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>Operating Forces</td>
<td>103,468</td>
<td>103,468</td>
<td>103,468</td>
<td>103,468</td>
</tr>
<tr>
<td>020</td>
<td>Depot Maintenance</td>
<td>18,794</td>
<td>18,794</td>
<td>18,794</td>
<td>18,794</td>
</tr>
<tr>
<td>030</td>
<td>Sustainment, Restoration and Modernization</td>
<td>32,777</td>
<td>40,023</td>
<td>33,854</td>
<td>4,977</td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization</td>
<td>3,900</td>
<td>3,900</td>
<td>[3,346]</td>
<td>[1,077]</td>
</tr>
<tr>
<td></td>
<td>UFR: Facilities Sustainment to 80%</td>
<td>[3,346]</td>
<td>[1,077]</td>
<td>[1,077]</td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>Base Operating Support</td>
<td>111,213</td>
<td>111,213</td>
<td>111,213</td>
<td>111,213</td>
</tr>
<tr>
<td></td>
<td>Subtotal Operating Forces</td>
<td>266,252</td>
<td>273,498</td>
<td>267,329</td>
<td>4,977</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal Operating Forces</strong></td>
<td>271,229</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>Administrative</td>
<td>12,585</td>
<td>12,585</td>
<td>12,585</td>
<td>12,585</td>
</tr>
<tr>
<td></td>
<td>Subtotal Admin &amp; Srvwd Activities</td>
<td>12,585</td>
<td>12,585</td>
<td>12,585</td>
<td>12,585</td>
</tr>
<tr>
<td>080</td>
<td>Undistributed</td>
<td>–300</td>
<td>–500</td>
<td>–500</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td>[–300]</td>
<td>[–500]</td>
<td>[–500]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subtotal Undistributed</td>
<td>–300</td>
<td>–500</td>
<td>–500</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Operation &amp; Maintenance, MC Reserve</strong></td>
<td>278,837</td>
<td>285,783</td>
<td>279,914</td>
<td>4,477</td>
</tr>
<tr>
<td></td>
<td><strong>Total Operation &amp; Maintenance, MC Reserve</strong></td>
<td>283,314</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Operation & Maintenance, Air Force Operating Forces**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>Primary Combat Forces</td>
<td>694,702</td>
<td>727,802</td>
<td>707,902</td>
<td>23,400</td>
</tr>
<tr>
<td></td>
<td>Adversarial Air Training - mission qualification</td>
<td>[10,200]</td>
<td>[10,200]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rocket system launch program</td>
<td>[8,000]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Training equipment shortfalls</td>
<td>[1,700]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: NC3 &amp; Other Nuclear Requirements</td>
<td>[9,000]</td>
<td>[9,000]</td>
<td>[9,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: PACAF Contingency Response Group</td>
<td>[4,200]</td>
<td>[4,200]</td>
<td>[4,200]</td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>Combat Enhancement Forces</td>
<td>1,392,326</td>
<td>1,450,526</td>
<td>1,576,426</td>
<td>226,300</td>
</tr>
<tr>
<td></td>
<td>Air and Space Operations Center</td>
<td>[104,800]</td>
<td>[104,800]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Personnel recovery requirements</td>
<td>[500]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TARP contractor specialist</td>
<td>[800]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Training equipment shortfalls</td>
<td>[6,000]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>030</td>
<td>AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)</td>
<td>1,128,640</td>
<td>1,179,940</td>
<td>1,272,940</td>
<td>102,500</td>
</tr>
<tr>
<td></td>
<td>F-35 maintenance instructors</td>
<td>[49,700]</td>
<td>[93,100]</td>
<td>[49,700]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Readiness decision support enterprise</td>
<td>[1,600]</td>
<td>[1,600]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Contract Adversary Air</td>
<td></td>
<td>[51,200]</td>
<td>[51,200]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Airmen Readiness Training</td>
<td>[7,100]</td>
<td>[7,100]</td>
<td>[7,100]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: WSS funded at 89%</td>
<td>[92,100]</td>
<td>[153,500]</td>
<td>[92,100]</td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>3,292,553</td>
<td>3,800,253</td>
<td>3,292,553</td>
<td>507,300</td>
</tr>
<tr>
<td></td>
<td>Demolition of excess facilities</td>
<td>[50,000]</td>
<td></td>
<td>[50,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td>[153,300]</td>
<td></td>
<td>[153,300]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restore sustainment shortfalls</td>
<td>[304,400]</td>
<td></td>
<td>[304,000]</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</td>
<td>6,555,186</td>
<td>6,752,686</td>
<td>6,883,686</td>
<td>197,500</td>
</tr>
<tr>
<td></td>
<td>UFR: E-4B Maintenance personnel</td>
<td>[1,000]</td>
<td>[1,000]</td>
<td>[1,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: EC-130H Compass Call</td>
<td>[12,000]</td>
<td>[20,000]</td>
<td>[12,000]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Sustain 3 additional C-37B</td>
<td>[6,800]</td>
<td>[11,300]</td>
<td>[6,800]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Weapon Systems Sustainment</td>
<td>[177,700]</td>
<td>[296,200]</td>
<td>[177,700]</td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>BASE SUPPORT</td>
<td>5,985,232</td>
<td>6,076,832</td>
<td>6,984,715</td>
<td>91,600</td>
</tr>
<tr>
<td></td>
<td>Application hosting/MSO</td>
<td>[27,000]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cloud migration</td>
<td>[25,600]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Enterprise svs in FY18</td>
<td>[39,000]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Cyber Requirements</td>
<td></td>
<td>[152,600]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Facility Restoration Modernization</td>
<td></td>
<td>[493,883]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>LAUNCH FACILITIES</td>
<td>175,457</td>
<td>175,457</td>
<td>175,457</td>
<td>175,457</td>
</tr>
<tr>
<td>130</td>
<td>SPACE CONTROL SYSTEMS</td>
<td>353,458</td>
<td>541,758</td>
<td>353,458</td>
<td>15,000</td>
</tr>
<tr>
<td>160</td>
<td>US NORTHCOM/ NORAD</td>
<td>189,891</td>
<td>189,891</td>
<td>189,891</td>
<td>189,891</td>
</tr>
<tr>
<td>170</td>
<td>US STRATCOM</td>
<td>534,236</td>
<td>534,236</td>
<td>534,236</td>
<td>534,236</td>
</tr>
<tr>
<td>180</td>
<td>US CYBERCOM</td>
<td>357,830</td>
<td>357,830</td>
<td>357,830</td>
<td>357,830</td>
</tr>
<tr>
<td>190</td>
<td>US CENTCOM</td>
<td>168,208</td>
<td>168,208</td>
<td>168,208</td>
<td>168,208</td>
</tr>
<tr>
<td>200</td>
<td>US SOCOM</td>
<td>2,280</td>
<td>2,280</td>
<td>2,280</td>
<td>2,280</td>
</tr>
<tr>
<td>210</td>
<td>US TRANSCOM</td>
<td>533</td>
<td>533</td>
<td>533</td>
<td>533</td>
</tr>
<tr>
<td>215</td>
<td>CLASSIFIED PROGRAMS</td>
<td>1,091,655</td>
<td>1,091,655</td>
<td>1,091,655</td>
<td>1,091,655</td>
</tr>
</tbody>
</table>

| SUBTOTAL OPERATING FORCES | 30,792,217 | 32,248,817 | 32,748,300 | 1,423,400 | 32,215,617 |
## SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>MOBILIZATION</td>
<td>1,570,697</td>
<td>1,572,497</td>
<td>1,572,497</td>
<td>1,800</td>
<td>1,572,497</td>
</tr>
<tr>
<td></td>
<td>Airlift Operations</td>
<td>1,570,697</td>
<td>1,572,497</td>
<td>1,572,497</td>
<td>1,800</td>
<td>1,572,497</td>
</tr>
<tr>
<td>230</td>
<td>MOBILIZATION PREPAREDNESS</td>
<td>130,241</td>
<td>168,441</td>
<td>176,691</td>
<td>35,600</td>
<td>165,841</td>
</tr>
<tr>
<td></td>
<td>Basic Expeditionary Airfield Resources PACOM</td>
<td>[22,600]</td>
<td>[29,550]</td>
<td>[22,600]</td>
<td>[22,600]</td>
<td>[22,600]</td>
</tr>
<tr>
<td></td>
<td>BEAR PACOM</td>
<td>[22,600]</td>
<td>[22,600]</td>
<td>[22,600]</td>
<td>[22,600]</td>
<td>[22,600]</td>
</tr>
<tr>
<td></td>
<td>BEAR PACOM Spares</td>
<td>[2,900]</td>
<td>[2,900]</td>
<td>[2,900]</td>
<td>[2,900]</td>
<td>[2,900]</td>
</tr>
<tr>
<td></td>
<td>PACAF Contingency response group</td>
<td>[10,100]</td>
<td>[16,900]</td>
<td>[10,100]</td>
<td>[10,100]</td>
<td>[10,100]</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL MOBILIZATION</td>
<td>1,700,938</td>
<td>1,760,938</td>
<td>1,749,188</td>
<td>37,400</td>
<td>1,738,338</td>
</tr>
<tr>
<td>280</td>
<td>Officer Acquisition</td>
<td>24,804</td>
<td>24,804</td>
<td>24,804</td>
<td>24,804</td>
<td>24,804</td>
</tr>
<tr>
<td>290</td>
<td>Recruit Training</td>
<td>95,733</td>
<td>95,733</td>
<td>95,733</td>
<td>95,733</td>
<td>95,733</td>
</tr>
<tr>
<td>320</td>
<td>Reserve Officers Training Corps (ROTC)</td>
<td>395,476</td>
<td>395,476</td>
<td>395,476</td>
<td>395,476</td>
<td>395,476</td>
</tr>
<tr>
<td>350</td>
<td>Professional Development Education</td>
<td>287,500</td>
<td>287,500</td>
<td>287,500</td>
<td>287,500</td>
<td>287,500</td>
</tr>
<tr>
<td>370</td>
<td>Training Support</td>
<td>91,384</td>
<td>91,384</td>
<td>91,384</td>
<td>91,384</td>
<td>91,384</td>
</tr>
<tr>
<td>380</td>
<td>Recruiting and Advertising</td>
<td>166,795</td>
<td>166,795</td>
<td>166,795</td>
<td>166,795</td>
<td>166,795</td>
</tr>
<tr>
<td>390</td>
<td>Examinining</td>
<td>4,134</td>
<td>4,134</td>
<td>4,134</td>
<td>4,134</td>
<td>4,134</td>
</tr>
<tr>
<td>390</td>
<td>Off-Duty and Voluntary Education</td>
<td>222,691</td>
<td>222,691</td>
<td>222,691</td>
<td>222,691</td>
<td>222,691</td>
</tr>
<tr>
<td>400</td>
<td>Civilian Education and Training</td>
<td>171,974</td>
<td>171,974</td>
<td>176,974</td>
<td>171,974</td>
<td>171,974</td>
</tr>
<tr>
<td></td>
<td>Pilot program for training students as aircraft technicians</td>
<td>[5,000]</td>
<td>[5,000]</td>
<td>[5,000]</td>
<td>[5,000]</td>
<td>[5,000]</td>
</tr>
<tr>
<td>410</td>
<td>Junior ROTC</td>
<td>60,070</td>
<td>60,070</td>
<td>60,070</td>
<td>60,070</td>
<td>60,070</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL TRAINING AND RECRUITING</td>
<td>2,135,882</td>
<td>2,135,882</td>
<td>2,140,882</td>
<td>37,400</td>
<td>2,135,882</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>2018</td>
<td>2019</td>
<td>2020</td>
<td>2021</td>
<td>2022</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>420</td>
<td>Logistics Operations</td>
<td>805,453</td>
<td>805,453</td>
<td>805,453</td>
<td>805,453</td>
<td>805,453</td>
</tr>
<tr>
<td>470</td>
<td>Administration</td>
<td>911,283</td>
<td>911,283</td>
<td>911,283</td>
<td>911,283</td>
<td>911,283</td>
</tr>
<tr>
<td>480</td>
<td>Servicewide Communications</td>
<td>432,172</td>
<td>422,172</td>
<td>432,172</td>
<td>432,172</td>
<td>432,172</td>
</tr>
<tr>
<td>490</td>
<td>Other Servicewide Activities</td>
<td>1,175,658</td>
<td>1,166,658</td>
<td>1,175,658</td>
<td>–5,000</td>
<td>1,170,658</td>
</tr>
<tr>
<td>500</td>
<td>Civil Air Patrol</td>
<td>26,719</td>
<td>29,819</td>
<td>26,719</td>
<td>3,100</td>
<td>29,819</td>
</tr>
<tr>
<td>530</td>
<td>International Support</td>
<td>76,878</td>
<td>76,878</td>
<td>76,878</td>
<td>76,878</td>
<td>76,878</td>
</tr>
<tr>
<td>535</td>
<td>Classified Programs</td>
<td>1,263,403</td>
<td>1,263,403</td>
<td>1,263,403</td>
<td>1,263,403</td>
<td>1,263,403</td>
</tr>
<tr>
<td></td>
<td>Subtotal Admin &amp; Servicewide Activities</td>
<td>4,818,945</td>
<td>4,803,045</td>
<td>4,818,945</td>
<td>–1,900</td>
<td>4,817,045</td>
</tr>
</tbody>
</table>

**Undistributed**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>540</td>
<td>Undistributed</td>
<td>–389,600</td>
<td>129,100</td>
<td>–404,900</td>
<td>–404,900</td>
<td>–404,900</td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td>–135,400</td>
<td>–204,200</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foreign Currency adjustments</td>
<td>–84,300</td>
<td>–84,300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Historical unobligated balances</td>
<td>–169,900</td>
<td>–156,300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: C&amp;Y Tech Sustainment</td>
<td>[6,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Child and Youth Compliance</td>
<td>[35,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Food Service Capabilities</td>
<td>[43,200]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: MWR Resiliency Capabilities</td>
<td>[40,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Violence Prevention Program</td>
<td>[4,900]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subtotal Undistributed</td>
<td>–389,600</td>
<td>129,100</td>
<td>–404,900</td>
<td>–404,900</td>
<td></td>
</tr>
</tbody>
</table>

**Total Operation & Maintenance, Air Force**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Operation &amp; Maintenance, AF Reserve Operating Forces</td>
<td>39,447,982</td>
<td>40,559,082</td>
<td>41,586,415</td>
<td>1,054,000</td>
<td>40,501,982</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>Primary Combat Forces</td>
<td>1,801,007</td>
<td>1,801,007</td>
<td>1,801,007</td>
<td>1,801,007</td>
<td>1,801,007</td>
</tr>
<tr>
<td>020</td>
<td>Mission Support Operations</td>
<td>210,642</td>
<td>210,642</td>
<td>210,642</td>
<td>210,642</td>
<td>210,642</td>
</tr>
</tbody>
</table>
## SEC. 4301. OPERATION AND MAINTENANCE  
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>030</td>
<td>DEPOT PURCHASE EQUIPMENT MAINTENANCE</td>
<td>403,867</td>
<td>403,867</td>
<td>403,867</td>
<td>403,867</td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>124,951</td>
<td>140,251</td>
<td>124,951</td>
<td>15,300</td>
<td>140,251</td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td>(5,600)</td>
<td>(5,600)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restore sustainment shortfalls</td>
<td>(9,700)</td>
<td>(9,700)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</td>
<td>240,835</td>
<td>258,635</td>
<td>266,835</td>
<td>43,600</td>
<td>284,435</td>
</tr>
<tr>
<td></td>
<td>C–17 CLS workload</td>
<td>(5,700)</td>
<td>(5,700)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C–17 depot-level repairable</td>
<td>(12,100)</td>
<td>(12,100)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Weapon Systems Sustainment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UFR: Restore maintenance and repair</td>
<td>(25,800)</td>
<td>(25,800)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>BASE SUPPORT</td>
<td>371,878</td>
<td>371,878</td>
<td>405,878</td>
<td>34,000</td>
<td>405,878</td>
</tr>
<tr>
<td></td>
<td>UFR: Restore maintenance and repair</td>
<td>(34,000)</td>
<td>(34,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td><strong>3,153,180</strong></td>
<td><strong>3,186,280</strong></td>
<td><strong>3,212,980</strong></td>
<td><strong>92,900</strong></td>
<td><strong>3,246,080</strong></td>
</tr>
<tr>
<td></td>
<td><strong>ADMINISTRATION AND SERVICEWIDE ACTIVITIES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>ADMINISTRATION</td>
<td>74,153</td>
<td>74,153</td>
<td>74,153</td>
<td>74,153</td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>RECRUITING AND ADVERTISING</td>
<td>19,522</td>
<td>19,522</td>
<td>19,522</td>
<td>19,522</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>MILITARY MANPOWER AND PERS MGMT (ARPC)</td>
<td>12,765</td>
<td>12,765</td>
<td>12,765</td>
<td>12,765</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>OTHER PERS SUPPORT (DISABILITY COMP)</td>
<td>7,495</td>
<td>7,495</td>
<td>7,495</td>
<td>7,495</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>AUDIOVISUAL</td>
<td>392</td>
<td>392</td>
<td>392</td>
<td>392</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES</strong></td>
<td><strong>114,327</strong></td>
<td><strong>114,327</strong></td>
<td><strong>114,327</strong></td>
<td><strong>114,327</strong></td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>UNDISTRIBUTED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td>(–21,900)</td>
<td>(–33,000)</td>
<td>(–33,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL UNDISTRIBUTED</strong></td>
<td><strong>(–21,900)</strong></td>
<td><strong>(–33,000)</strong></td>
<td><strong>(–33,000)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE</strong></td>
<td><strong>3,267,507</strong></td>
<td><strong>3,278,707</strong></td>
<td><strong>3,327,307</strong></td>
<td><strong>59,900</strong></td>
<td><strong>3,327,407</strong></td>
</tr>
</tbody>
</table>
### OPERATION & MAINTENANCE, ANG

#### OPERATING FORCES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>FY 175,055</th>
<th>FY 3,175,055</th>
<th>FY 3,175,055</th>
<th>FY 3,175,055</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>Aircraft Operations</td>
<td>3,175,055</td>
<td>3,265,955</td>
<td>3,175,055</td>
<td>3,175,055</td>
</tr>
<tr>
<td></td>
<td>Additional training man days</td>
<td>[54,900]</td>
<td>[54,900]</td>
<td>[54,900]</td>
<td>[54,900]</td>
</tr>
<tr>
<td></td>
<td>Two C-130 simulators</td>
<td>[36,000]</td>
<td>[36,000]</td>
<td>[36,000]</td>
<td>[36,000]</td>
</tr>
<tr>
<td>020</td>
<td>Mission Support Operations</td>
<td>746,082</td>
<td>801,682</td>
<td>812,082</td>
<td>18,500</td>
</tr>
<tr>
<td></td>
<td>Additional training man days</td>
<td>[37,100]</td>
<td>[37,100]</td>
<td>[37,100]</td>
<td>[37,100]</td>
</tr>
<tr>
<td></td>
<td>Restore operations</td>
<td>[18,500]</td>
<td>[66,000]</td>
<td>[18,500]</td>
<td>[18,500]</td>
</tr>
<tr>
<td>030</td>
<td>Depot Purchase Equipment Maintenance</td>
<td>867,063</td>
<td>867,063</td>
<td>867,063</td>
<td>867,063</td>
</tr>
<tr>
<td>040</td>
<td>Facilities Sustainment, Restoration &amp; Modernization</td>
<td>325,090</td>
<td>372,690</td>
<td>401,090</td>
<td>47,600</td>
</tr>
<tr>
<td></td>
<td>Restore restoration and modernization shortfalls</td>
<td>[14,600]</td>
<td>[20,000]</td>
<td>[14,600]</td>
<td>[14,600]</td>
</tr>
<tr>
<td></td>
<td>Restore sustainment shortfalls</td>
<td>[33,000]</td>
<td>[56,000]</td>
<td>[33,000]</td>
<td>[33,000]</td>
</tr>
<tr>
<td>050</td>
<td>Contractor Logistics Support and System Support</td>
<td>1,100,829</td>
<td>1,152,129</td>
<td>1,159,529</td>
<td>110,000</td>
</tr>
<tr>
<td></td>
<td>C-130 propulsion improvements</td>
<td>[16,100]</td>
<td>[16,100]</td>
<td>[16,100]</td>
<td>[16,100]</td>
</tr>
<tr>
<td></td>
<td>Maintenance for RC-26 a/c</td>
<td>[28,700]</td>
<td>[28,700]</td>
<td>[28,700]</td>
<td>[28,700]</td>
</tr>
<tr>
<td></td>
<td>Sustain DCGS</td>
<td>[6,500]</td>
<td>[6,500]</td>
<td>[6,500]</td>
<td>[6,500]</td>
</tr>
<tr>
<td></td>
<td>UFR: Increase Weapons System Sustainment</td>
<td></td>
<td></td>
<td>[58,700]</td>
<td>[58,700]</td>
</tr>
<tr>
<td>060</td>
<td>Base Support</td>
<td>583,664</td>
<td>593,464</td>
<td>651,664</td>
<td>583,664</td>
</tr>
<tr>
<td></td>
<td>Additional training man days</td>
<td>[9,800]</td>
<td>[9,800]</td>
<td>[9,800]</td>
<td>[9,800]</td>
</tr>
<tr>
<td></td>
<td>UFR: Facility Restoration Modernization</td>
<td></td>
<td></td>
<td>[68,000]</td>
<td>[68,000]</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal Operating Forces</strong></td>
<td><strong>6,797,783</strong></td>
<td><strong>7,052,983</strong></td>
<td><strong>7,066,483</strong></td>
<td><strong>176,100</strong></td>
</tr>
</tbody>
</table>

#### ADMINISTRATION AND SERVICE-WIDE ACTIVITIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>FY 44,955</th>
<th>FY 44,955</th>
<th>FY 44,955</th>
<th>FY 44,955</th>
</tr>
</thead>
<tbody>
<tr>
<td>070</td>
<td>Administration</td>
<td>44,955</td>
<td>44,955</td>
<td>44,955</td>
<td>44,955</td>
</tr>
<tr>
<td>080</td>
<td>Recruiting and Advertising</td>
<td>97,230</td>
<td>97,230</td>
<td>52,230</td>
<td>97,230</td>
</tr>
<tr>
<td></td>
<td>Advertising Reduction</td>
<td></td>
<td></td>
<td>[–45,000]</td>
<td>[–45,000]</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal Administration and Service-Wide Activities</strong></td>
<td><strong>142,185</strong></td>
<td><strong>142,185</strong></td>
<td><strong>97,185</strong></td>
<td><strong>142,185</strong></td>
</tr>
</tbody>
</table>

#### UNDISTRIBUTED

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>FY [–43,300]</th>
<th>FY [–65,300]</th>
<th>FY [–65,300]</th>
<th>FY [–65,300]</th>
</tr>
</thead>
<tbody>
<tr>
<td>090</td>
<td>Undistributed</td>
<td>[–43,300]</td>
<td>[–65,300]</td>
<td>[–65,300]</td>
<td>[–65,300]</td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td>[–43,300]</td>
<td>[–65,300]</td>
<td>[–65,300]</td>
<td>[–65,300]</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal Undistributed</strong></td>
<td><strong>[–43,300]</strong></td>
<td><strong>[–65,300]</strong></td>
<td><strong>[–65,300]</strong></td>
<td><strong>[–65,300]</strong></td>
</tr>
<tr>
<td>Line Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>-----------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>TOTAL OPERATION &amp; MAINTENANCE, ANG</td>
<td>6,939,968</td>
<td>7,151,868</td>
<td>7,163,668</td>
<td>110,800</td>
<td>7,050,768</td>
</tr>
<tr>
<td>OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010 JOINT CHIEFS OF STAFF</td>
<td>440,853</td>
<td>440,853</td>
<td>440,853</td>
<td>440,853</td>
<td></td>
</tr>
<tr>
<td>020 JOINT CHIEFS OF STAFF—CE2T2</td>
<td>551,511</td>
<td>551,511</td>
<td>551,511</td>
<td>551,511</td>
<td></td>
</tr>
<tr>
<td>040 SPECIAL OPERATIONS COMMAND/OPERATING FORCES</td>
<td>5,008,274</td>
<td>5,035,414</td>
<td>5,008,274</td>
<td>6,300</td>
<td>5,014,574</td>
</tr>
<tr>
<td>Unfunded Requirement- Joint Task Force Platform Expansion</td>
<td>(6,300)</td>
<td>(6,300)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfunded Requirement- Publicly Available Information (PAI) Capability Acceleration</td>
<td>(20,840)</td>
<td>(20,840)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUBTOTAL OPERATING FORCES</td>
<td>6,000,638</td>
<td>6,027,778</td>
<td>6,000,638</td>
<td>6,300</td>
<td>6,006,938</td>
</tr>
<tr>
<td>TRAINING AND RECRUITING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>050 DEFENSE ACQUISITION UNIVERSITY</td>
<td>144,970</td>
<td>144,970</td>
<td>149,970</td>
<td>5,000</td>
<td>149,970</td>
</tr>
<tr>
<td>Increase for curriculum development</td>
<td>(5,000)</td>
<td>(5,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>060 JOINT CHIEFS OF STAFF</td>
<td>84,402</td>
<td>84,402</td>
<td>84,402</td>
<td>84,402</td>
<td></td>
</tr>
<tr>
<td>080 SPECIAL OPERATIONS COMMAND/TRAINING AND RECRUITING</td>
<td>379,462</td>
<td>379,462</td>
<td>379,462</td>
<td>379,462</td>
<td></td>
</tr>
<tr>
<td>SUBTOTAL TRAINING AND RECRUITING</td>
<td>608,834</td>
<td>608,834</td>
<td>613,834</td>
<td>5,000</td>
<td>613,834</td>
</tr>
<tr>
<td>ADMIN &amp; SRVWIDE ACTIVITIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>090 CIVIL MILITARY PROGRAMS</td>
<td>183,000</td>
<td>234,500</td>
<td>208,000</td>
<td>26,500</td>
<td>209,500</td>
</tr>
<tr>
<td>National Guard Youth Challenge</td>
<td>(1,500)</td>
<td>(1,500)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Guard Youth Challenge Program</td>
<td>(25,000)</td>
<td>(25,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STARBASE</td>
<td>(20,000)</td>
<td>(20,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>World War I Centennial Commission</td>
<td>(5,000)</td>
<td>(5,000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110 DEFENSE CONTRACT AUDIT AGENCY</td>
<td>597,836</td>
<td>597,836</td>
<td>597,836</td>
<td>597,836</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>DEFENSE CONTRACT MANAGEMENT AGENCY</td>
<td>1,439,010</td>
<td>1,439,010</td>
<td>1,439,010</td>
<td>1,439,010</td>
</tr>
<tr>
<td>130</td>
<td>DEFENSE HUMAN RESOURCES ACTIVITY</td>
<td>807,754</td>
<td>807,754</td>
<td>807,754</td>
<td>807,754</td>
</tr>
<tr>
<td>140</td>
<td>DEFENSE INFORMATION SYSTEMS AGENCY</td>
<td>2,009,702</td>
<td>2,009,702</td>
<td>2,009,702</td>
<td>2,009,702</td>
</tr>
<tr>
<td>160</td>
<td>DEFENSE LEGAL SERVICES AGENCY</td>
<td>24,207</td>
<td>24,207</td>
<td>24,207</td>
<td>24,207</td>
</tr>
<tr>
<td>170</td>
<td>DEFENSE LOGISTICS AGENCY</td>
<td>[400,422]</td>
<td>[414,922]</td>
<td>[400,422]</td>
<td>[14,300]</td>
</tr>
<tr>
<td>180</td>
<td>DEFENSE MEDIA ACTIVITY</td>
<td>[217,585]</td>
<td>[215,085]</td>
<td>[217,585]</td>
<td>[-2,500]</td>
</tr>
<tr>
<td>190</td>
<td>DEFENSE PERSONNEL ACCOUNTING AGENCY</td>
<td>131,268</td>
<td>131,268</td>
<td>131,268</td>
<td>131,268</td>
</tr>
<tr>
<td>200</td>
<td>DEFENSE SECURITY COOPERATION AGENCY</td>
<td>722,496</td>
<td>722,496</td>
<td>722,496</td>
<td>722,496</td>
</tr>
<tr>
<td>210</td>
<td>DEFENSE SECURITY SERVICE</td>
<td>683,665</td>
<td>703,665</td>
<td>683,665</td>
<td>683,665</td>
</tr>
<tr>
<td>230</td>
<td>DEFENSE TECHNOLOGY SECURITY ADMINISTRATION</td>
<td>34,712</td>
<td>34,712</td>
<td>34,712</td>
<td>34,712</td>
</tr>
<tr>
<td>240</td>
<td>DEFENSE THREAT REDUCTION AGENCY</td>
<td>542,604</td>
<td>517,604</td>
<td>542,604</td>
<td>[-3,800]</td>
</tr>
<tr>
<td>260</td>
<td>DEPARTMENT OF DEFENSE EDUCATION ACTIVITY</td>
<td>2,794,389</td>
<td>2,844,389</td>
<td>2,894,389</td>
<td>50,000</td>
</tr>
<tr>
<td>270</td>
<td>MISSILE DEFENSE AGENCY</td>
<td>504,058</td>
<td>504,058</td>
<td>504,058</td>
<td>504,058</td>
</tr>
<tr>
<td>290</td>
<td>OFFICE OF ECONOMIC ADJUSTMENT</td>
<td>57,840</td>
<td>57,840</td>
<td>57,840</td>
<td>57,840</td>
</tr>
<tr>
<td>300</td>
<td>OFFICE OF THE SECRETARY OF DEFENSE</td>
<td>1,488,344</td>
<td>1,515,110</td>
<td>1,497,344</td>
<td>11,000</td>
</tr>
</tbody>
</table>

Impact aid for children with severe disabilities [10,000] [10,000]
Impact aid for schools with military dependent students [50,000] [25,000] [40,000]

| 310 | SPECIAL OPERATIONS COMMAND/ADMIN & SVC-WIDE ACTIVITIES | 94,273 | 94,273 | 94,273 | 94,273 |
| 320 | WASHINGTON HEADQUARTERS SERVICES | 436,776 | 436,776 | 436,776 | 436,776 |
| 325 | CLASSIFIED PROGRAMS | 14,830,139 | 14,830,139 | 14,830,139 | 14,830,139 |
### SEC. 4301. OPERATION AND MAINTENANCE

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRV WIDE ACTIVITIES</td>
<td>28,000,080</td>
<td>28,135,346</td>
<td>28,069,080</td>
<td>95,500</td>
<td>28,095,580</td>
</tr>
<tr>
<td>330</td>
<td>UNDISTRIBUTED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excessive standard price for fuel</td>
<td></td>
<td>–6,500</td>
<td></td>
<td>–9,800</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foreign Currency adjustments</td>
<td></td>
<td>–19,400</td>
<td></td>
<td>–19,400</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Historical unobligated balances</td>
<td></td>
<td>–179,000</td>
<td></td>
<td>–164,700</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Program decrease</td>
<td></td>
<td>–25,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td></td>
<td>–229,900</td>
<td>–193,900</td>
<td>–193,900</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE</td>
<td>34,609,552</td>
<td>34,542,058</td>
<td>34,683,552</td>
<td>–87,100</td>
<td>34,522,452</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS APPROPRIATIONS**

- **010** US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE 14,538 14,538 14,538 14,538
- **020** OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID 104,900 104,900 104,900 104,900
- **030** COOPERATIVE THREAT REDUCTION 324,600 324,600 324,600 324,600
- **050** ENVIRONMENTAL RESTORATION, ARMY 215,809 215,809 215,809 215,809
- **060** ENVIRONMENTAL RESTORATION, NAVY 281,415 323,649 323,000 42,234 323,649
- **070** ENVIRONMENTAL RESTORATION, AIR FORCE 293,749 323,749 313,749 30,000 323,749
- **080** ENVIRONMENTAL RESTORATION, DEFENSE 9,002 9,002 9,002 9,002
- **090** ENVIRONMENTAL RESTORATION FORMERLY USED SITES 208,673 208,673 208,673 208,673

---

November 7, 2017 (1:25 p.m.)
<table>
<thead>
<tr>
<th>SUBTOTAL MISCELLANEOUS APPROPRIATIONS</th>
<th>....................................................... 1,452,686</th>
<th>1,524,920</th>
<th>1,514,271</th>
<th>72,234</th>
<th>1,524,920</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDISTRIBUTED</td>
<td>010 UNDISTRIBUTED</td>
<td>2,271,269</td>
<td>726,995</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ERI costs transferred to base (except Ukraine assistance)</td>
<td>........................................................... (2,271,269)</td>
<td>(2,121,300)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign Currency Fluctuations</td>
<td>....................................................................... (–313,315)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuel Savings</td>
<td>....................................................................... (–1,090,990)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Training for National Guard personnel on wildfire response</td>
<td>........................................................... (10,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUBTOTAL UNDISTRIBUTED</td>
<td>....................................................................... 2,271,269</td>
<td>726,995</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL UNDISTRIBUTED</td>
<td>....................................................................... 2,271,269</td>
<td>726,995</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL OPERATION &amp; MAINTENANCE</td>
<td>....................................................................... 189,286,283</td>
<td>194,527,394</td>
<td>194,902,715</td>
<td>3,003,675</td>
<td>192,289,958</td>
</tr>
</tbody>
</table>
**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS.**

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>MANEUVER UNITS</td>
<td>828,225</td>
<td>828,225</td>
<td>828,225</td>
<td>828,225</td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>ECHELONS ABOVE BRIGADE</td>
<td>25,474</td>
<td>25,474</td>
<td>25,474</td>
<td>25,474</td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>THEATER LEVEL ASSETS</td>
<td>1,778,644</td>
<td>1,778,644</td>
<td>1,778,644</td>
<td>1,778,644</td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>LAND FORCES OPERATIONS SUPPORT</td>
<td>260,575</td>
<td>260,575</td>
<td>260,575</td>
<td>260,575</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>AVIATION ASSETS</td>
<td>284,422</td>
<td>284,422</td>
<td>284,422</td>
<td>284,422</td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>FORCE READINESS OPERATIONS SUPPORT</td>
<td>2,784,525</td>
<td>2,784,525</td>
<td>2,784,525</td>
<td>2,784,525</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>LAND FORCES DEPOT MAINTENANCE</td>
<td>104,149</td>
<td>104,149</td>
<td>104,149</td>
<td>104,149</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>BASE OPERATIONS SUPPORT</td>
<td>80,249</td>
<td>80,249</td>
<td>80,249</td>
<td>80,249</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>32,000</td>
<td>32,000</td>
<td>32,000</td>
<td>32,000</td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>ADDITIONAL ACTIVITIES</td>
<td>6,988,168</td>
<td>6,988,168</td>
<td>6,988,168</td>
<td>6,988,168</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>COMMANDERS EMERGENCY RESPONSE PROGRAM</td>
<td>5,000</td>
<td>5,000</td>
<td>5,000</td>
<td>5,000</td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>RESET</td>
<td>864,926</td>
<td>864,926</td>
<td>864,926</td>
<td>864,926</td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>US AFRICA COMMAND</td>
<td>186,567</td>
<td>186,567</td>
<td>186,567</td>
<td>186,567</td>
<td></td>
</tr>
<tr>
<td>190</td>
<td>US EUROPEAN COMMAND</td>
<td>44,250</td>
<td>44,250</td>
<td>44,250</td>
<td>44,250</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>14,769,504</td>
<td>14,769,504</td>
<td>14,769,504</td>
<td>–250,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MOBILIZATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>ARMY PREPOSITIONED STOCKS</td>
<td>56,500</td>
<td>56,500</td>
<td>56,500</td>
<td>56,500</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL MOBILIZATION</td>
<td>56,500</td>
<td>56,500</td>
<td>56,500</td>
<td>56,500</td>
<td></td>
</tr>
</tbody>
</table>

Realignment of depot operations to base...

Subtotal mobilization –250,000

**ADMIN & SRWIDE ACTIVITIES**
<table>
<thead>
<tr>
<th>Code</th>
<th>Activity</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>390</td>
<td>Servicewide Transportation</td>
<td>789,355</td>
<td>789,355</td>
<td>789,355</td>
<td>789,355</td>
</tr>
<tr>
<td>400</td>
<td>Central Supply Activities</td>
<td>16,567</td>
<td>16,567</td>
<td>16,567</td>
<td>16,567</td>
</tr>
<tr>
<td>410</td>
<td>Logistic Support Activities</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td>420</td>
<td>Ammunition Management</td>
<td>5,207</td>
<td>5,207</td>
<td>5,207</td>
<td>5,207</td>
</tr>
<tr>
<td>460</td>
<td>Other Personnel Support</td>
<td>107,091</td>
<td>107,091</td>
<td>107,091</td>
<td>107,091</td>
</tr>
<tr>
<td>490</td>
<td>Real Estate Management</td>
<td>165,280</td>
<td>165,280</td>
<td>165,280</td>
<td>165,280</td>
</tr>
<tr>
<td>565</td>
<td>Classified Programs</td>
<td>1,083,390</td>
<td>1,083,390</td>
<td>1,083,390</td>
<td>1,083,390</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal Admin &amp; Servicewide Activities</strong></td>
<td>2,172,890</td>
<td>2,172,890</td>
<td>2,172,890</td>
<td>2,172,890</td>
</tr>
<tr>
<td></td>
<td><strong>Total Operation &amp; Maintenance, Army</strong></td>
<td>16,998,894</td>
<td>16,998,894</td>
<td>16,998,894</td>
<td>-250,000</td>
</tr>
<tr>
<td>020</td>
<td>Echelons Above Brigade</td>
<td>4,179</td>
<td>4,179</td>
<td>4,179</td>
<td>4,179</td>
</tr>
<tr>
<td>040</td>
<td>Land Forces Operations Support</td>
<td>2,132</td>
<td>2,132</td>
<td>2,132</td>
<td>2,132</td>
</tr>
<tr>
<td>060</td>
<td>Force Readiness Operations Support</td>
<td>779</td>
<td>779</td>
<td>779</td>
<td>779</td>
</tr>
<tr>
<td>090</td>
<td>Base Operations Support</td>
<td>17,609</td>
<td>17,609</td>
<td>17,609</td>
<td>17,609</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal Operating Forces</strong></td>
<td>24,699</td>
<td>24,699</td>
<td>24,699</td>
<td>24,699</td>
</tr>
<tr>
<td></td>
<td><strong>Total Operation &amp; Maintenance, Army Res</strong></td>
<td>24,699</td>
<td>24,699</td>
<td>24,699</td>
<td>24,699</td>
</tr>
<tr>
<td>010</td>
<td>Maneuver Units</td>
<td>41,731</td>
<td>41,731</td>
<td>41,731</td>
<td>41,731</td>
</tr>
<tr>
<td>020</td>
<td>Modular Support Brigades</td>
<td>762</td>
<td>762</td>
<td>762</td>
<td>762</td>
</tr>
<tr>
<td>030</td>
<td>Echelons Above Brigade</td>
<td>11,855</td>
<td>11,855</td>
<td>11,855</td>
<td>11,855</td>
</tr>
<tr>
<td>040</td>
<td>Theater Level Assets</td>
<td>204</td>
<td>204</td>
<td>204</td>
<td>204</td>
</tr>
<tr>
<td>060</td>
<td>Aviation Assets</td>
<td>27,583</td>
<td>27,583</td>
<td>27,583</td>
<td>27,583</td>
</tr>
<tr>
<td>070</td>
<td>Force Readiness Operations Support</td>
<td>5,792</td>
<td>5,792</td>
<td>5,792</td>
<td>5,792</td>
</tr>
<tr>
<td>100</td>
<td>Base Operations Support</td>
<td>18,507</td>
<td>18,507</td>
<td>18,507</td>
<td>18,507</td>
</tr>
<tr>
<td>120</td>
<td>Management and Operational Headquarters</td>
<td>937</td>
<td>937</td>
<td>937</td>
<td>937</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal Operating Forces</strong></td>
<td>107,371</td>
<td>107,371</td>
<td>107,371</td>
<td>107,371</td>
</tr>
</tbody>
</table>
## SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>ADMIN &amp; SRVWD ACTIVITIES</td>
<td>740</td>
<td>740</td>
<td>740</td>
<td>740</td>
<td>740</td>
</tr>
<tr>
<td></td>
<td>SVC WIDE COMMUNICATIONS</td>
<td>740</td>
<td>740</td>
<td>740</td>
<td>740</td>
<td>740</td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</td>
<td>740</td>
<td>740</td>
<td>740</td>
<td>740</td>
<td>740</td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, ARNG</td>
<td>108,111</td>
<td>108,111</td>
<td>108,111</td>
<td>108,111</td>
<td></td>
</tr>
<tr>
<td>210</td>
<td>AFGHANISTAN SECURITY FORCES FUND</td>
<td>108,111</td>
<td>108,111</td>
<td>108,111</td>
<td>108,111</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MINISTRY OF DEFENSE</td>
<td>108,111</td>
<td>108,111</td>
<td>108,111</td>
<td>108,111</td>
<td></td>
</tr>
<tr>
<td></td>
<td>010 SUSTAINMENT</td>
<td>2,660,855</td>
<td>2,660,855</td>
<td>2,660,855</td>
<td>2,660,855</td>
<td></td>
</tr>
<tr>
<td></td>
<td>020 INFRASTRUCTURE</td>
<td>21,000</td>
<td>21,000</td>
<td>21,000</td>
<td>21,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>030 EQUIPMENT AND TRANSPORTATION</td>
<td>684,786</td>
<td>684,786</td>
<td>684,786</td>
<td>684,786</td>
<td></td>
</tr>
<tr>
<td></td>
<td>040 TRAINING AND OPERATIONS</td>
<td>405,117</td>
<td>405,117</td>
<td>405,117</td>
<td>405,117</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL MINISTRY OF DEFENSE</td>
<td>3,771,758</td>
<td>3,771,758</td>
<td>3,771,758</td>
<td>3,771,758</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MINISTRY OF INTERIOR</td>
<td>3,771,758</td>
<td>3,771,758</td>
<td>3,771,758</td>
<td>3,771,758</td>
<td></td>
</tr>
<tr>
<td></td>
<td>050 SUSTAINMENT</td>
<td>955,574</td>
<td>955,574</td>
<td>955,574</td>
<td>955,574</td>
<td></td>
</tr>
<tr>
<td></td>
<td>060 INFRASTRUCTURE</td>
<td>39,595</td>
<td>39,595</td>
<td>39,595</td>
<td>39,595</td>
<td></td>
</tr>
<tr>
<td></td>
<td>070 EQUIPMENT AND TRANSPORTATION</td>
<td>75,976</td>
<td>75,976</td>
<td>75,976</td>
<td>75,976</td>
<td></td>
</tr>
<tr>
<td></td>
<td>080 TRAINING AND OPERATIONS</td>
<td>94,612</td>
<td>94,612</td>
<td>94,612</td>
<td>94,612</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL MINISTRY OF INTERIOR</td>
<td>1,165,757</td>
<td>1,165,757</td>
<td>1,165,757</td>
<td>1,165,757</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL AFGHANISTAN SECURITY FORCES FUND</td>
<td>4,937,515</td>
<td>4,937,515</td>
<td>4,937,515</td>
<td>4,937,515</td>
<td></td>
</tr>
<tr>
<td>310</td>
<td>COUNTER-ISIS TRAIN &amp; EQUIP FUND</td>
<td>4,937,515</td>
<td>4,937,515</td>
<td>4,937,515</td>
<td>4,937,515</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)</td>
<td>4,937,515</td>
<td>4,937,515</td>
<td>4,937,515</td>
<td>4,937,515</td>
<td></td>
</tr>
<tr>
<td></td>
<td>010 IRAQ</td>
<td>1,269,000</td>
<td>1,269,000</td>
<td>1,269,000</td>
<td>1,269,000</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Fiscal Year 2023</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>SYRIA Subtotal Counter-ISIS Train and Equip Fund (CTEF)</td>
<td>1,769,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Counter-ISIS Train &amp; Equip Fund</td>
<td>1,769,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>COUNTER-ISIS TRAIN AND EQUIP FUND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Subtotal Counter-ISIS Train and Equip Fund</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL COUNTER-ISIS TRAIN AND EQUIP FUND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL COUNTER-ISIS TRAIN &amp; EQUIP FUND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>OPERATION &amp; MAINTENANCE, NAVY OPERATING FORCES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>010 MISSION AND OTHER FLIGHT OPERATIONS</td>
<td>412,710</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>020 FLEET AIR TRAINING</td>
<td>5,674</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>030 AVIATION TECHNICAL DATA &amp; ENGINEERING SERVICES</td>
<td>1,750</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>040 AIR OPERATIONS AND SAFETY SUPPORT</td>
<td>2,989</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>050 AIR SYSTEMS SUPPORT</td>
<td>144,030</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>060 AIRCRAFT Depot MAINTENANCE</td>
<td>211,196</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>070 AIRCRAFT Depot OPERATIONS SUPPORT</td>
<td>1,921</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>080 AVIATION LOGISTICS</td>
<td>102,834</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>090 MISSION AND OTHER SHIP OPERATIONS</td>
<td>871,453</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>100 SHIP OPERATIONS SUPPORT &amp; TRAINING</td>
<td>19,627</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>110 SHIP Depot MAINTENANCE</td>
<td>2,483,179</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Repairs related to USS Fitzgerald</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td>5,630,025</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>MOBILIZATION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>------------------</td>
<td>------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>360</td>
<td>SHIP ACTIVATIONS/INACTIVATIONS</td>
<td>1,869</td>
<td>1,869</td>
<td>1,869</td>
<td>1,869</td>
<td></td>
</tr>
<tr>
<td>370</td>
<td>EXPEDITIONARY HEALTH SERVICES SYSTEMS</td>
<td>11,905</td>
<td>11,905</td>
<td>11,905</td>
<td>11,905</td>
<td></td>
</tr>
<tr>
<td>390</td>
<td>COAST GUARD SUPPORT</td>
<td>161,885</td>
<td>161,885</td>
<td>161,885</td>
<td>161,885</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL MOBILIZATION</td>
<td>175,659</td>
<td>175,659</td>
<td>175,659</td>
<td>175,659</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TRAINING AND RECRUITING</td>
<td>43,369</td>
<td>43,369</td>
<td>43,369</td>
<td>43,369</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL TRAINING AND RECRUITING</td>
<td>43,369</td>
<td>43,369</td>
<td>43,369</td>
<td>43,369</td>
<td></td>
</tr>
<tr>
<td>510</td>
<td>ADMINISTRATION</td>
<td>3,217</td>
<td>3,217</td>
<td>3,217</td>
<td>3,217</td>
<td></td>
</tr>
<tr>
<td>590</td>
<td>SERVICEWIDE TRANSPORTATION</td>
<td>67,938</td>
<td>67,938</td>
<td>67,938</td>
<td>67,938</td>
<td></td>
</tr>
<tr>
<td>620</td>
<td>ACQUISITION, LOGISTICS, AND OVERSIGHT</td>
<td>9,446</td>
<td>9,446</td>
<td>9,446</td>
<td>9,446</td>
<td></td>
</tr>
<tr>
<td>660</td>
<td>INVESTIGATIVE AND SECURITY SERVICES</td>
<td>1,528</td>
<td>1,528</td>
<td>1,528</td>
<td>1,528</td>
<td></td>
</tr>
<tr>
<td>775</td>
<td>CLASSIFIED PROGRAMS</td>
<td>12,751</td>
<td>12,751</td>
<td>12,751</td>
<td>12,751</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</td>
<td>102,236</td>
<td>102,236</td>
<td>102,236</td>
<td>102,236</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL OPERATION &amp; MAINTENANCE, NAVY</td>
<td>5,951,289</td>
<td>6,016,289</td>
<td>5,951,289</td>
<td>5,951,289</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OPERATION &amp; MAINTENANCE, MARINE CORPS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OPERATING FORCES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>OPERATIONAL FORCES</td>
<td>720,013</td>
<td>720,013</td>
<td>720,013</td>
<td>720,013</td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>FIELD LOGISTICS</td>
<td>256,536</td>
<td>256,536</td>
<td>256,536</td>
<td>256,536</td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>DEPOT MAINTENANCE</td>
<td>52,000</td>
<td>52,000</td>
<td>52,000</td>
<td>52,000</td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>BASE OPERATING SUPPORT</td>
<td>17,529</td>
<td>17,529</td>
<td>17,529</td>
<td>17,529</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>1,046,078</td>
<td>1,046,078</td>
<td>1,046,078</td>
<td>1,046,078</td>
<td></td>
</tr>
<tr>
<td>Train and Recruiting</td>
<td>(120) Training Support</td>
<td>(29,421)</td>
<td>(29,421)</td>
<td>(29,421)</td>
<td>(29,421)</td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>--------------------------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal Training and Recruiting</strong></td>
<td></td>
<td>(29,421)</td>
<td>(29,421)</td>
<td>(29,421)</td>
<td>(29,421)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Admin &amp; SRVWD Activities</th>
<th>(160) Servicewide Transportation</th>
<th>(62,225)</th>
<th>(62,225)</th>
<th>(62,225)</th>
<th>(62,225)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(215) Classified Programs</td>
<td></td>
<td>(3,650)</td>
<td>(3,650)</td>
<td>(3,650)</td>
<td>(3,650)</td>
</tr>
<tr>
<td><strong>Subtotal Admin &amp; SRVWD Activities</strong></td>
<td></td>
<td>(65,875)</td>
<td>(65,875)</td>
<td>(65,875)</td>
<td>(65,875)</td>
</tr>
<tr>
<td><strong>Total Operation &amp; Maintenance, Marine Corps</strong></td>
<td></td>
<td>(1,141,374)</td>
<td>(1,141,374)</td>
<td>(1,141,374)</td>
<td>(1,141,374)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation &amp; Maintenance, Navy Res Operating Forces</th>
<th>(030) Aircraft Depot Maintenance</th>
<th>(14,964)</th>
<th>(14,964)</th>
<th>(14,964)</th>
<th>(14,964)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(080) Combat Support Forces</td>
<td></td>
<td>(9,016)</td>
<td>(9,016)</td>
<td>(9,016)</td>
<td>(9,016)</td>
</tr>
<tr>
<td><strong>Subtotal Operating Forces</strong></td>
<td></td>
<td>(23,980)</td>
<td>(23,980)</td>
<td>(23,980)</td>
<td>(23,980)</td>
</tr>
<tr>
<td><strong>Total Operation &amp; Maintenance, Navy Res</strong></td>
<td></td>
<td>(23,980)</td>
<td>(23,980)</td>
<td>(23,980)</td>
<td>(23,980)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation &amp; Maintenance, MC Reserve Operating Forces</th>
<th>(010) Operating Forces</th>
<th>(2,548)</th>
<th>(2,548)</th>
<th>(2,548)</th>
<th>(2,548)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(040) Base Operating Support</td>
<td></td>
<td>(819)</td>
<td>(819)</td>
<td>(819)</td>
<td>(819)</td>
</tr>
<tr>
<td><strong>Subtotal Operating Forces</strong></td>
<td></td>
<td>(3,367)</td>
<td>(3,367)</td>
<td>(3,367)</td>
<td>(3,367)</td>
</tr>
<tr>
<td><strong>Total Operation &amp; Maintenance, MC Reserve</strong></td>
<td></td>
<td>(3,367)</td>
<td>(3,367)</td>
<td>(3,367)</td>
<td>(3,367)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation &amp; Maintenance, Air Force Operating Forces</th>
<th>(010) Primary Combat Forces</th>
<th>(248,235)</th>
<th>(248,235)</th>
<th>(248,235)</th>
<th>(248,235)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(020) Combat Enhancement Forces</td>
<td></td>
<td>(1,394,962)</td>
<td>(1,394,962)</td>
<td>(1,394,962)</td>
<td>(1,394,962)</td>
</tr>
</tbody>
</table>
## SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>030</td>
<td>AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)</td>
<td>5,450</td>
<td>5,450</td>
<td>5,450</td>
<td>5,450</td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>DEPOT PURCHASE EQUIPMENT MAINTENANCE</td>
<td>699,860</td>
<td>699,860</td>
<td>699,860</td>
<td>699,860</td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</td>
<td>113,131</td>
<td>113,131</td>
<td>113,131</td>
<td>113,131</td>
<td></td>
</tr>
<tr>
<td>060</td>
<td>CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</td>
<td>2,039,551</td>
<td>2,077,551</td>
<td>2,039,551</td>
<td>2,039,551</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restoration of Damaged U-2 Aircraft</td>
<td>[38,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>070</td>
<td>FLYING HOUR PROGRAM</td>
<td>2,059,363</td>
<td>2,059,363</td>
<td>2,059,363</td>
<td>2,059,363</td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>BASE SUPPORT</td>
<td>1,088,946</td>
<td>1,088,946</td>
<td>1,088,946</td>
<td>1,088,946</td>
<td></td>
</tr>
<tr>
<td>090</td>
<td>GLOBAL C3I AND EARLY WARNING</td>
<td>15,274</td>
<td>15,274</td>
<td>15,274</td>
<td>15,274</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>OTHER COMBAT OPS SPT PROGRAMS</td>
<td>198,090</td>
<td>198,090</td>
<td>198,090</td>
<td>198,090</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>Launch Facilities</td>
<td>385</td>
<td>385</td>
<td>385</td>
<td>385</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>SPACE CONTROL SYSTEMS</td>
<td>22,020</td>
<td>22,020</td>
<td>22,020</td>
<td>22,020</td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>US NORTHCOM/NORAD</td>
<td>698</td>
<td>698</td>
<td>698</td>
<td>698</td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>US STRATCOM</td>
<td>35,239</td>
<td>35,239</td>
<td>35,239</td>
<td>35,239</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>US CYBERCOM</td>
<td>159,520</td>
<td>159,520</td>
<td>159,520</td>
<td>159,520</td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>US CENTCOM</td>
<td>19,000</td>
<td>19,000</td>
<td>19,000</td>
<td>19,000</td>
<td></td>
</tr>
<tr>
<td>170</td>
<td>US SOCOC</td>
<td>58,098</td>
<td>58,098</td>
<td>58,098</td>
<td>58,098</td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>CLASSIFIED PROGRAMS</td>
<td>8,158,203</td>
<td>8,158,203</td>
<td>8,158,203</td>
<td>8,158,203</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL OPERATING FORCES</td>
<td>8,158,203</td>
<td>8,158,203</td>
<td>8,158,203</td>
<td>8,158,203</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MOBILIZATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>220</td>
<td>AIRLIFT OPERATIONS</td>
<td>1,430,316</td>
<td>1,430,316</td>
<td>1,430,316</td>
<td>1,430,316</td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>MOBILIZATION PREPAREDNESS</td>
<td>213,827</td>
<td>213,827</td>
<td>213,827</td>
<td>213,827</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL MOBILIZATION</td>
<td>1,644,143</td>
<td>1,644,143</td>
<td>1,644,143</td>
<td>1,644,143</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TRAINING AND RECRUITING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>270</td>
<td>OFFICER ACQUISITION</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>280</td>
<td>RECRUIT TRAINING</td>
<td>298</td>
<td>298</td>
<td>298</td>
<td>298</td>
<td></td>
</tr>
<tr>
<td>Item</td>
<td>2021</td>
<td>2022</td>
<td>2023</td>
<td>2024</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>290 RESERVE OFFICERS TRAINING CORPS (ROTC)</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>320 SPECIALIZED SKILL TRAINING</td>
<td>25,675</td>
<td>25,675</td>
<td>25,675</td>
<td>25,675</td>
<td></td>
<td></td>
</tr>
<tr>
<td>330 FLIGHT TRAINING</td>
<td>879</td>
<td>879</td>
<td>879</td>
<td>879</td>
<td></td>
<td></td>
</tr>
<tr>
<td>340 PROFESSIONAL DEVELOPMENT EDUCATION</td>
<td>1,114</td>
<td>1,114</td>
<td>1,114</td>
<td>1,114</td>
<td></td>
<td></td>
</tr>
<tr>
<td>350 TRAINING SUPPORT</td>
<td>1,426</td>
<td>1,426</td>
<td>1,426</td>
<td>1,426</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL TRAINING AND RECRUITING</strong></td>
<td>29,782</td>
<td>29,782</td>
<td>29,782</td>
<td>29,782</td>
<td></td>
<td></td>
</tr>
<tr>
<td>420 LOGISTICS OPERATIONS</td>
<td>151,847</td>
<td>151,847</td>
<td>151,847</td>
<td>151,847</td>
<td></td>
<td></td>
</tr>
<tr>
<td>430 TECHNICAL SUPPORT ACTIVITIES</td>
<td>8,744</td>
<td>8,744</td>
<td>8,744</td>
<td>8,744</td>
<td></td>
<td></td>
</tr>
<tr>
<td>470 ADMINISTRATION</td>
<td>6,583</td>
<td>6,583</td>
<td>6,583</td>
<td>6,583</td>
<td></td>
<td></td>
</tr>
<tr>
<td>480 SERVICEWIDE COMMUNICATIONS</td>
<td>129,508</td>
<td>129,508</td>
<td>129,508</td>
<td>129,508</td>
<td></td>
<td></td>
</tr>
<tr>
<td>490 OTHER SERVICEWIDE ACTIVITIES</td>
<td>84,110</td>
<td>84,110</td>
<td>84,110</td>
<td>84,110</td>
<td></td>
<td></td>
</tr>
<tr>
<td>530 INTERNATIONAL SUPPORT</td>
<td>120</td>
<td>120</td>
<td>120</td>
<td>120</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</strong></td>
<td>434,167</td>
<td>434,167</td>
<td>434,167</td>
<td>434,167</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE</strong></td>
<td>10,266,295</td>
<td>10,304,295</td>
<td>10,266,295</td>
<td>10,266,295</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OPERATION &amp; MAINTENANCE, AF RESERVE OPERATING FORCES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>030 Depot Purchase Equipment Maintenance</td>
<td>52,323</td>
<td>52,323</td>
<td>52,323</td>
<td>52,323</td>
<td></td>
<td></td>
</tr>
<tr>
<td>060 Base Support</td>
<td>6,200</td>
<td>6,200</td>
<td>6,200</td>
<td>6,200</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td>58,523</td>
<td>58,523</td>
<td>58,523</td>
<td>58,523</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE</strong></td>
<td>58,523</td>
<td>58,523</td>
<td>58,523</td>
<td>58,523</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OPERATION &amp; MAINTENANCE, ANG OPERATING FORCES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>020 Mission Support Operations</td>
<td>3,468</td>
<td>3,468</td>
<td>3,468</td>
<td>3,468</td>
<td></td>
<td></td>
</tr>
<tr>
<td>060 Base Support</td>
<td>11,932</td>
<td>11,932</td>
<td>11,932</td>
<td>11,932</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td>15,400</td>
<td>15,400</td>
<td>15,400</td>
<td>15,400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>Item</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>TOTAL OPERATION &amp; MAINTENANCE, ANG</td>
<td></td>
<td>15,400</td>
<td>15,400</td>
<td>15,400</td>
<td></td>
<td>15,400</td>
</tr>
<tr>
<td><strong>OPERATION AND MAINTENANCE, DEFENSE-WIDE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OPERATING FORCES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>JOINT CHIEFS OF STAFF</td>
<td>4,841</td>
<td>4,841</td>
<td>4,841</td>
<td></td>
<td>4,841</td>
</tr>
<tr>
<td>040</td>
<td>SPECIAL OPERATIONS COMMAND/OPERATING FORCES</td>
<td>3,305,234</td>
<td>3,305,234</td>
<td>3,311,534</td>
<td></td>
<td>3,305,234</td>
</tr>
<tr>
<td></td>
<td>UFR: Joint Task Force Platform Expansion</td>
<td>[6,300]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL OPERATING FORCES</strong></td>
<td>3,310,075</td>
<td>3,310,075</td>
<td>3,316,375</td>
<td></td>
<td>3,310,075</td>
</tr>
<tr>
<td><strong>ADMIN &amp; SRVWIDE ACTIVITIES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>DEFENSE CONTRACT AUDIT AGENCY</td>
<td>9,853</td>
<td>9,853</td>
<td>9,853</td>
<td></td>
<td>9,853</td>
</tr>
<tr>
<td>120</td>
<td>DEFENSE CONTRACT MANAGEMENT AGENCY</td>
<td>21,317</td>
<td>21,317</td>
<td>21,317</td>
<td></td>
<td>21,317</td>
</tr>
<tr>
<td>140</td>
<td>DEFENSE INFORMATION SYSTEMS AGENCY</td>
<td>64,137</td>
<td>64,137</td>
<td>64,137</td>
<td></td>
<td>64,137</td>
</tr>
<tr>
<td>160</td>
<td>DEFENSE LEGAL SERVICES AGENCY</td>
<td>115,000</td>
<td>115,000</td>
<td>115,000</td>
<td></td>
<td>115,000</td>
</tr>
<tr>
<td>180</td>
<td>DEFENSE MEDIA ACTIVITY</td>
<td>13,255</td>
<td>13,255</td>
<td>13,255</td>
<td></td>
<td>13,255</td>
</tr>
<tr>
<td>200</td>
<td>DEFENSE SECURITY COOPERATION AGENCY</td>
<td>2,312,000</td>
<td>2,162,000</td>
<td>2,562,000</td>
<td></td>
<td>2,062,000</td>
</tr>
<tr>
<td></td>
<td>Reduction to Coalition Support Funds</td>
<td>[–100,000]</td>
<td>[–100,000]</td>
<td>[–100,000]</td>
<td></td>
<td>[–250,000]</td>
</tr>
<tr>
<td></td>
<td>Transfer of funds to Ukraine Security Assistance Initiative</td>
<td>[350,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES</strong></td>
<td>4,483,169</td>
<td>4,333,169</td>
<td>4,733,169</td>
<td></td>
<td>4,233,169</td>
</tr>
<tr>
<td><strong>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE</strong></td>
<td></td>
<td>7,793,244</td>
<td>7,643,244</td>
<td>8,049,544</td>
<td></td>
<td>7,543,244</td>
</tr>
<tr>
<td></td>
<td>150,000</td>
<td>350,000</td>
<td>350,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>UKRAINE SECURITY ASSISTANCE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010 UKRAINE SECURITY ASSISTANCE</td>
<td>-2,271,269</td>
<td>-2,121,300</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program increase</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transfer from DSCA</td>
<td>150,000</td>
<td>150,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL UKRAINE SECURITY ASSISTANCE</strong></td>
<td>150,000</td>
<td>350,000</td>
<td>350,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL UKRAINE SECURITY ASSISTANCE</strong></td>
<td>150,000</td>
<td>350,000</td>
<td>350,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>UNDISTRIBUTED</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010 UNDISTRIBUTED</td>
<td>-2,271,269</td>
<td>-2,121,300</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ERI costs transferred from OCO to base (except Ukraine assistance)</td>
<td>-2,271,269</td>
<td>-2,121,300</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL UNDISTRIBUTED</strong></td>
<td>-2,271,269</td>
<td>-2,121,300</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL UNDISTRIBUTED</strong></td>
<td>-2,271,269</td>
<td>-2,121,300</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL OPERATION &amp; MAINTENANCE</strong></td>
<td>49,091,691</td>
<td>46,923,422</td>
<td>47,226,691</td>
<td>-150,000</td>
<td>48,941,691</td>
<td></td>
</tr>
</tbody>
</table>
### TITLE XLIV—MILITARY PERSONNEL

#### SEC. 4401. MILITARY PERSONNEL.

<table>
<thead>
<tr>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military Personnel Appropriations</td>
<td>133,881,636</td>
<td>1,202,089</td>
<td>(1,000)</td>
<td>[127,350]</td>
<td>134,008,986</td>
</tr>
<tr>
<td>Defense Innovation Board software review</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department of Defense State Partnership Program</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ERI costs transferred to base</td>
<td></td>
<td>214,289</td>
<td>214,300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freez BAH reduction for Military Housing Privatization Initiative</td>
<td>1,000</td>
<td>1,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Historical unobligated balances</td>
<td>[-363,300]</td>
<td>[-1,083,000]</td>
<td>[-814,050]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase Active Army end strength</td>
<td>829,400</td>
<td>337,000</td>
<td>625,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase Active Marine Corps end strength</td>
<td></td>
<td>[100,000]</td>
<td>[80,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase Army National Guard end strength</td>
<td>105,500</td>
<td>13,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase Army Reserve end strength</td>
<td>82,800</td>
<td>13,000</td>
<td>[1,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Military Personnel Pay Raise</td>
<td>206,400</td>
<td>206,400</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public-Private partnership on military spousal employment</td>
<td></td>
<td>1,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: ANG funds training man days</td>
<td></td>
<td>170,400</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: Army readiness requirements</td>
<td>107,987</td>
<td>13,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UFR: ATIP Enhancement—2nd Pier Sentry (Mahan Report)</td>
<td></td>
<td>[12,000]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medicare-Eligible Retiree Health Fund Contributions</td>
<td>7,804,427</td>
<td>44,140</td>
<td></td>
<td>33,000</td>
<td>7,837,427</td>
</tr>
<tr>
<td>Accrued payment associated with increased end strength</td>
<td></td>
<td>44,140</td>
<td></td>
<td>[33,000]</td>
<td></td>
</tr>
<tr>
<td>Total, Military Personnel</td>
<td>141,686,063</td>
<td>1,246,229</td>
<td>-138,913</td>
<td>160,350</td>
<td>141,846,413</td>
</tr>
</tbody>
</table>
## SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS.

<table>
<thead>
<tr>
<th>Item</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military Personnel Appropriations</td>
<td>4,326,172</td>
<td>$214,289</td>
<td>$214,300</td>
<td>0</td>
<td>4,326,172</td>
</tr>
<tr>
<td>ERI costs transferred to base budget</td>
<td></td>
<td>[-214,289]</td>
<td>[-214,300]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total, Military Personnel Appropriations</td>
<td>4,326,172</td>
<td>$214,289</td>
<td>$214,300</td>
<td>0</td>
<td>4,326,172</td>
</tr>
</tbody>
</table>
# TITLE XLV—OTHER AUTHORIZATIONS

## SEC. 4501. OTHER AUTHORIZATIONS.

<table>
<thead>
<tr>
<th>Program Title</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WORKING CAPITAL FUND, ARMY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INDUSTRIAL OPERATIONS</td>
<td>43,140</td>
<td>43,140</td>
<td>43,140</td>
<td>43,140</td>
<td></td>
</tr>
<tr>
<td>SUPPLY MANAGEMENT—ARMY</td>
<td>40,636</td>
<td>90,747</td>
<td>90,736</td>
<td>40,636</td>
<td></td>
</tr>
<tr>
<td>ERI costs transfer from OCO to base</td>
<td>[50,111]</td>
<td>[50,111]</td>
<td>[50,100]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL WORKING CAPITAL FUND, ARMY</td>
<td>83,776</td>
<td>133,887</td>
<td>133,876</td>
<td></td>
<td>83,776</td>
</tr>
<tr>
<td><strong>WORKING CAPITAL FUND, AIR FORCE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TRANSPORTATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUPPLY MANAGEMENT</td>
<td>66,462</td>
<td>66,462</td>
<td>66,462</td>
<td>66,462</td>
<td></td>
</tr>
<tr>
<td>TOTAL WORKING CAPITAL FUND, AIR FORCE</td>
<td>66,462</td>
<td>66,462</td>
<td>66,462</td>
<td></td>
<td>66,462</td>
</tr>
<tr>
<td><strong>WORKING CAPITAL FUND, DECA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMMISSARY OPERATIONS</td>
<td>1,389,340</td>
<td>1,344,340</td>
<td>1,389,340</td>
<td>1,389,340</td>
<td></td>
</tr>
<tr>
<td>Civilian Personnel Compensation and Benefits</td>
<td>[–20,000]</td>
<td>[–20,000]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commissary operations</td>
<td>[–25,000]</td>
<td>[–25,000]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL WORKING CAPITAL FUND, DECA</td>
<td>1,389,340</td>
<td>1,344,340</td>
<td>1,389,340</td>
<td></td>
<td>1,389,340</td>
</tr>
<tr>
<td><strong>WORKING CAPITAL FUND, DEFENSE-WIDE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENERGY MANAGEMENT—DEFENSE</td>
<td>47,018</td>
<td>47,018</td>
<td>47,018</td>
<td>47,018</td>
<td></td>
</tr>
<tr>
<td>TOTAL WORKING CAPITAL FUND, DEFENSE-WIDE</td>
<td>47,018</td>
<td>47,018</td>
<td>47,018</td>
<td></td>
<td>47,018</td>
</tr>
<tr>
<td>Category</td>
<td>FY 2016</td>
<td>FY 2017</td>
<td>FY 2018</td>
<td>FY 2019</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td></td>
</tr>
<tr>
<td><strong>National Defense Sealift Fund</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LG MED SPD RO/RO Maintenance</td>
<td>135,800</td>
<td>135,800</td>
<td>135,800</td>
<td>135,800</td>
<td></td>
</tr>
<tr>
<td>DOD Mobilization Alterations</td>
<td>11,197</td>
<td>11,197</td>
<td>11,197</td>
<td>11,197</td>
<td></td>
</tr>
<tr>
<td>TAHOE Maintenance</td>
<td>18,622</td>
<td>18,622</td>
<td>18,622</td>
<td>18,622</td>
<td></td>
</tr>
<tr>
<td>Ready Reserve Forces</td>
<td>7,000</td>
<td>7,000</td>
<td>7,000</td>
<td>7,000</td>
<td></td>
</tr>
<tr>
<td>Strategic Sealift SLEP</td>
<td>296,255</td>
<td>296,255</td>
<td>296,255</td>
<td>296,255</td>
<td></td>
</tr>
<tr>
<td><strong>Total National Defense Sealift Fund</strong></td>
<td>516,327</td>
<td>516,327</td>
<td>516,327</td>
<td>516,327</td>
<td></td>
</tr>
<tr>
<td><strong>Chem Agents &amp; Munitions Destruction</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chem Demilitarization—RDT&amp;E</td>
<td>839,414</td>
<td>839,414</td>
<td>839,414</td>
<td>839,414</td>
<td></td>
</tr>
<tr>
<td>Chem Demilitarization—Proc</td>
<td>18,081</td>
<td>18,081</td>
<td>18,081</td>
<td>18,081</td>
<td></td>
</tr>
<tr>
<td><strong>Total Chem Agents &amp; Munitions Destruction</strong></td>
<td>961,732</td>
<td>961,732</td>
<td>961,732</td>
<td>961,732</td>
<td></td>
</tr>
<tr>
<td><strong>Drug Interdiction &amp; CTR-Drug Activities, DEF</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drug Interdiction and CTR-Drug Activities, Defense</td>
<td>674,001</td>
<td>701,001</td>
<td>674,001</td>
<td>31,000</td>
<td>705,001</td>
</tr>
<tr>
<td>Administrative Overhead</td>
<td>[-2,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Guard counter-drug programs</td>
<td>[10,000]</td>
<td></td>
<td>[10,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOUTHCOM ISR</td>
<td>[21,000]</td>
<td>[21,000]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Travel, Infrastructure, Support</td>
<td>[-2,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drug Demand Reduction Program</td>
<td>116,813</td>
<td>116,813</td>
<td>116,813</td>
<td>116,813</td>
<td></td>
</tr>
<tr>
<td><strong>Total Drug Interdiction &amp; CTR-Drug Activities, DEF</strong></td>
<td>790,814</td>
<td>817,814</td>
<td>790,814</td>
<td>31,000</td>
<td>821,814</td>
</tr>
<tr>
<td><strong>Office of the Inspector General</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operation and Maintenance</td>
<td>334,087</td>
<td>334,087</td>
<td>329,087</td>
<td>334,087</td>
<td></td>
</tr>
<tr>
<td>Program decrease</td>
<td>[-5,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RDT&amp;E</td>
<td>2,800</td>
<td>2,800</td>
<td>2,800</td>
<td>2,800</td>
<td></td>
</tr>
<tr>
<td><strong>Total Office of the Inspector General</strong></td>
<td>336,887</td>
<td>336,887</td>
<td>331,887</td>
<td>336,887</td>
<td></td>
</tr>
<tr>
<td>Program Title</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------</td>
<td>------------------</td>
<td>------------------</td>
<td>------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td><strong>DEFENSE HEALTH PROGRAM</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IN-HOUSE CARE</td>
<td>9,457,768</td>
<td>9,475,768</td>
<td>9,457,768</td>
<td>8,000</td>
<td>9,465,768</td>
</tr>
<tr>
<td>Maintenance of inpatient capabilities of OCONUS MTFs</td>
<td></td>
<td>10,000</td>
<td></td>
<td></td>
<td>8,000</td>
</tr>
<tr>
<td>Pre-mobilization health care under section 12304b</td>
<td></td>
<td>8,000</td>
<td></td>
<td></td>
<td>8,000</td>
</tr>
<tr>
<td>CONSOLIDATED HEALTH SUPPORT</td>
<td>2,193,045</td>
<td>2,193,045</td>
<td>2,193,045</td>
<td>2,193,045</td>
<td>2,193,045</td>
</tr>
<tr>
<td>INFORMATION MANAGEMENT</td>
<td>1,803,733</td>
<td>1,803,733</td>
<td>1,803,733</td>
<td>1,803,733</td>
<td>1,803,733</td>
</tr>
<tr>
<td>MANAGEMENT ACTIVITIES</td>
<td>330,752</td>
<td>321,752</td>
<td>330,752</td>
<td>330,752</td>
<td>330,752</td>
</tr>
<tr>
<td>Program decrease</td>
<td>(9,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDUCATION AND TRAINING</td>
<td>737,730</td>
<td>737,730</td>
<td>737,730</td>
<td>737,730</td>
<td>737,730</td>
</tr>
<tr>
<td>BASE OPERATIONS/COMMUNICATIONS</td>
<td>2,255,163</td>
<td>2,255,163</td>
<td>2,255,163</td>
<td>2,255,163</td>
<td>2,255,163</td>
</tr>
<tr>
<td>RESEARCH</td>
<td>9,796</td>
<td>9,796</td>
<td>9,796</td>
<td>9,796</td>
<td>9,796</td>
</tr>
<tr>
<td>EXPLORATORY DEVELOPMENT</td>
<td>64,881</td>
<td>64,881</td>
<td>64,881</td>
<td>64,881</td>
<td>64,881</td>
</tr>
<tr>
<td>ADVANCED DEVELOPMENT</td>
<td>246,268</td>
<td>246,268</td>
<td>246,268</td>
<td>246,268</td>
<td>246,268</td>
</tr>
<tr>
<td>Program increase for hypoxia research</td>
<td>(5,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research of chronic traumatic encephalopathy</td>
<td>(25,000)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEMONSTRATION/VALIDATION</td>
<td>99,039</td>
<td>99,039</td>
<td>99,039</td>
<td>99,039</td>
<td>99,039</td>
</tr>
<tr>
<td>ENGINEERING DEVELOPMENT</td>
<td>170,602</td>
<td>170,602</td>
<td>170,602</td>
<td>170,602</td>
<td>170,602</td>
</tr>
<tr>
<td>MANAGEMENT AND SUPPORT</td>
<td>69,191</td>
<td>69,191</td>
<td>69,191</td>
<td>69,191</td>
<td>69,191</td>
</tr>
<tr>
<td>CAPABILITIES ENHANCEMENT</td>
<td>13,438</td>
<td>13,438</td>
<td>13,438</td>
<td>13,438</td>
<td>13,438</td>
</tr>
<tr>
<td>INITIAL OUTFITTING</td>
<td>26,978</td>
<td>26,978</td>
<td>26,978</td>
<td>26,978</td>
<td>26,978</td>
</tr>
<tr>
<td>REPLACEMENT &amp; MODERNIZATION</td>
<td>360,831</td>
<td>360,831</td>
<td>360,831</td>
<td>360,831</td>
<td>360,831</td>
</tr>
<tr>
<td>THEATER MEDICAL INFORMATION PROGRAM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JOINT OPERATIONAL MEDICINE INFORMATION SYSTEM</td>
<td>8,326</td>
<td>8,326</td>
<td>8,326</td>
<td>8,326</td>
<td>8,326</td>
</tr>
<tr>
<td>DOD HEALTHCARE MANAGEMENT SYSTEM MODERNIZATION</td>
<td>499,193</td>
<td>499,193</td>
<td>499,193</td>
<td>499,193</td>
<td>499,193</td>
</tr>
<tr>
<td>UNDISTRIBUTED</td>
<td>(–157,600)</td>
<td>(–157,600)</td>
<td>(–157,600)</td>
<td>(–157,600)</td>
<td>(–157,600)</td>
</tr>
<tr>
<td>Change to Pharmacy Copayments</td>
<td>(–62,000)</td>
<td>(–62,000)</td>
<td>(–62,000)</td>
<td>(–62,000)</td>
<td>(–62,000)</td>
</tr>
<tr>
<td>Description</td>
<td>Before</td>
<td>After</td>
<td>Adjustments</td>
<td>Adjustments</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>--------</td>
<td>--------</td>
<td>-------------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>Foreign Currency adjustments</td>
<td></td>
<td></td>
<td>[–15,500]</td>
<td>[–15,500]</td>
<td></td>
</tr>
<tr>
<td>Historical unobligated balances</td>
<td>[–142,100]</td>
<td>[–142,100]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL DEFENSE HEALTH PROGRAM</strong></td>
<td>33,664,466</td>
<td>33,545,866</td>
<td>33,664,466</td>
<td>33,452,866</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL OTHER AUTHORIZATIONS</strong></td>
<td>37,849,822</td>
<td>37,770,333</td>
<td>37,901,922</td>
<td>37,676,222</td>
<td></td>
</tr>
</tbody>
</table>
## SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS.

### SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program Title</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WORKING CAPITAL FUND, ARMY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial Operations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply Management—Army</td>
<td>50,111</td>
<td>50,111</td>
<td>50,111</td>
<td></td>
<td>50,111</td>
</tr>
<tr>
<td>ERI costs transfer from OCO to base</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL WORKING CAPITAL FUND, ARMY</strong></td>
<td>50,111</td>
<td>50,111</td>
<td>50,111</td>
<td></td>
<td>50,111</td>
</tr>
<tr>
<td><strong>WORKING CAPITAL FUND, DEFENSE-WIDE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy Management—Defense</td>
<td>70,000</td>
<td>70,000</td>
<td>70,000</td>
<td></td>
<td>70,000</td>
</tr>
<tr>
<td>Supply Chain Management—Defense</td>
<td>28,845</td>
<td>28,845</td>
<td>28,845</td>
<td></td>
<td>28,845</td>
</tr>
<tr>
<td><strong>TOTAL WORKING CAPITAL FUND, DEFENSE-WIDE</strong></td>
<td>98,845</td>
<td>98,845</td>
<td>98,845</td>
<td></td>
<td>98,845</td>
</tr>
<tr>
<td><strong>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drug Interdiction and Counter-Drug Activities, Defense</td>
<td>196,300</td>
<td>196,300</td>
<td>196,300</td>
<td></td>
<td>196,300</td>
</tr>
<tr>
<td><strong>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</strong></td>
<td>196,300</td>
<td>196,300</td>
<td>196,300</td>
<td></td>
<td>196,300</td>
</tr>
<tr>
<td><strong>OFFICE OF THE INSPECTOR GENERAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operation and Maintenance</td>
<td>24,692</td>
<td>24,692</td>
<td>24,692</td>
<td></td>
<td>24,692</td>
</tr>
<tr>
<td><strong>TOTAL OFFICE OF THE INSPECTOR GENERAL</strong></td>
<td>24,692</td>
<td>24,692</td>
<td>24,692</td>
<td></td>
<td>24,692</td>
</tr>
<tr>
<td><strong>DEFENSE HEALTH PROGRAM</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In-House Care</td>
<td>61,857</td>
<td>61,857</td>
<td>61,857</td>
<td></td>
<td>61,857</td>
</tr>
<tr>
<td>Private Sector Care</td>
<td>331,968</td>
<td>331,968</td>
<td>331,968</td>
<td></td>
<td>331,968</td>
</tr>
<tr>
<td>Consolidated Health Support</td>
<td>1,980</td>
<td>1,980</td>
<td>1,980</td>
<td></td>
<td>1,980</td>
</tr>
<tr>
<td><strong>TOTAL DEFENSE HEALTH PROGRAM</strong></td>
<td>395,805</td>
<td>395,805</td>
<td>395,805</td>
<td></td>
<td>395,805</td>
</tr>
<tr>
<td>TOTAL OTHER AUTHORIZATIONS</td>
<td>765,753</td>
<td>715,642</td>
<td>715,642</td>
<td>765,753</td>
<td></td>
</tr>
</tbody>
</table>
## TITLE XLVI—MILITARY CONSTRUCTION

### SEC. 4601. MILITARY CONSTRUCTION.

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country</th>
<th>Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Army</td>
<td>ALABAMA</td>
<td>Fort Rucker</td>
<td>TRAINING SUPPORT FACILITY</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
<td>0</td>
<td>38,000</td>
</tr>
<tr>
<td>Army</td>
<td>ARIZONA</td>
<td>Davis-Monthan AFB</td>
<td>GENERAL INSTRUCTION BUILDING</td>
<td>22,000</td>
<td>22,000</td>
<td>22,000</td>
<td>0</td>
<td>22,000</td>
</tr>
<tr>
<td>Army</td>
<td>ARIZONA</td>
<td>Fort Huachuca</td>
<td>GROUND TRANSPORT EQUIPMENT BUILDING</td>
<td>30,000</td>
<td>30,000</td>
<td>30,000</td>
<td>0</td>
<td>30,000</td>
</tr>
<tr>
<td>Army</td>
<td>CALIFORNIA</td>
<td>Fort Irwin</td>
<td>LAND ACQUISITION</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>0</td>
<td>3,000</td>
</tr>
<tr>
<td>Army</td>
<td>COLORADO</td>
<td>Fort Carson</td>
<td>AMMUNITION SUPPLY POINT</td>
<td>21,000</td>
<td>21,000</td>
<td>21,000</td>
<td>0</td>
<td>21,000</td>
</tr>
<tr>
<td>Army</td>
<td>COLORADO</td>
<td>Fort Carson</td>
<td>BATTLEFIELD WEATHER FACILITY</td>
<td>8,300</td>
<td>8,300</td>
<td>8,300</td>
<td>0</td>
<td>8,300</td>
</tr>
<tr>
<td>Army</td>
<td>FLORIDA</td>
<td>Eglin AFB</td>
<td>MULTIPURPOSE RANGE COMPLEX</td>
<td>18,000</td>
<td>18,000</td>
<td>18,000</td>
<td>0</td>
<td>18,000</td>
</tr>
<tr>
<td>Army</td>
<td>GEORGIA</td>
<td>Fort Benning</td>
<td>AIR TRAFFIC CONTROL TOWER</td>
<td>0</td>
<td>10,800</td>
<td>10,800</td>
<td>10,800</td>
<td>10,800</td>
</tr>
<tr>
<td>Army</td>
<td>GEORGIA</td>
<td>Fort Benning</td>
<td>TRAINING SUPPORT FACILITY</td>
<td>28,000</td>
<td>28,000</td>
<td>28,000</td>
<td>0</td>
<td>28,000</td>
</tr>
<tr>
<td>Army</td>
<td>GEORGIA</td>
<td>Fort Gordon</td>
<td>ACCESS CONTROL POINT</td>
<td>33,000</td>
<td>33,000</td>
<td>33,000</td>
<td>0</td>
<td>33,000</td>
</tr>
<tr>
<td>Army</td>
<td>GEORGIA</td>
<td>Fort Gordon</td>
<td>AUTOMATION-AIDED INSTRUCTIONAL BUILDING</td>
<td>18,500</td>
<td>18,500</td>
<td>18,500</td>
<td>0</td>
<td>18,500</td>
</tr>
<tr>
<td>Army</td>
<td>GERMANY</td>
<td>Stuttgart</td>
<td>COMMISSARY</td>
<td>40,000</td>
<td>40,000</td>
<td>40,000</td>
<td>0</td>
<td>40,000</td>
</tr>
<tr>
<td>Army</td>
<td>GERMANY</td>
<td>Wiesbaden</td>
<td>ADMINISTRATIVE BUILDING</td>
<td>43,000</td>
<td>43,000</td>
<td>43,000</td>
<td>0</td>
<td>43,000</td>
</tr>
<tr>
<td>Army</td>
<td>HAWAII</td>
<td>Fort Shafter</td>
<td>COMMAND AND CONTROL FACILITY, INC 3</td>
<td>90,000</td>
<td>90,000</td>
<td>90,000</td>
<td>0</td>
<td>90,000</td>
</tr>
<tr>
<td>Army</td>
<td>HAWAII</td>
<td>Pohakuloa Training Area</td>
<td>OPERATIONAL READINESS TRAINING COMPLEX (BAR-RACKS)</td>
<td>0</td>
<td>0</td>
<td>25,000</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>Army</td>
<td>INDIANA</td>
<td>Crane Army Ammunition Activity</td>
<td>SHIPPING AND RECEIVING BUILDING</td>
<td>24,000</td>
<td>24,000</td>
<td>24,000</td>
<td>0</td>
<td>24,000</td>
</tr>
<tr>
<td>Army</td>
<td>KOREA</td>
<td>Kunsan AB</td>
<td>UNMANNED AERIAL VEHICLE HANGAR</td>
<td>53,000</td>
<td>53,000</td>
<td>53,000</td>
<td>0</td>
<td>53,000</td>
</tr>
<tr>
<td>Army</td>
<td>NEW YORK</td>
<td>U.S. Military Academy</td>
<td>CEMETERY</td>
<td>22,000</td>
<td>22,000</td>
<td>22,000</td>
<td>0</td>
<td>22,000</td>
</tr>
<tr>
<td>Army</td>
<td>SOUTH CAROLINA</td>
<td>Fort Jackson</td>
<td>RECEPTION BARRACKS COMPLEX, PH1</td>
<td>60,000</td>
<td>60,000</td>
<td>60,000</td>
<td>0</td>
<td>60,000</td>
</tr>
<tr>
<td>Army</td>
<td>SOUTH CAROLINA</td>
<td>Shaw AFB</td>
<td>MISSION TRAINING COMPLEX</td>
<td>25,000</td>
<td>25,000</td>
<td>25,000</td>
<td>0</td>
<td>25,000</td>
</tr>
<tr>
<td>Army</td>
<td>TEXAS</td>
<td>Camp Bullis</td>
<td>VEHICLE MAINTENANCE SHOP</td>
<td>13,600</td>
<td>13,600</td>
<td>13,600</td>
<td>0</td>
<td>13,600</td>
</tr>
<tr>
<td>Army</td>
<td>TEXAS</td>
<td>Fort Hood</td>
<td>BATTALION HEADQUARTERS COMPLEX</td>
<td>37,000</td>
<td>37,000</td>
<td>37,000</td>
<td>0</td>
<td>37,000</td>
</tr>
<tr>
<td>Department</td>
<td>State/Location</td>
<td>Project Description</td>
<td>Cost</td>
<td>Cost</td>
<td>Cost</td>
<td>Cost</td>
<td>Cost</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>----------------</td>
<td>---------------------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Texas</td>
<td>Fort Hood Vehicle Maintenance Shop</td>
<td>0</td>
<td>33,000</td>
<td>33,000</td>
<td>33,000</td>
<td>33,000</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Turkey</td>
<td>Turkey Various Forward Operating Site</td>
<td>6,400</td>
<td>0</td>
<td>6,400</td>
<td>–6,400</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Virginia</td>
<td>Fort Belvoir Secure Admin/Operations Facility, INCR 3</td>
<td>14,124</td>
<td>14,124</td>
<td>14,124</td>
<td>14,124</td>
<td>14,124</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Virginia</td>
<td>Joint Base Langley-Eustis Aircraft Maintenance Instructional Bldg</td>
<td>34,000</td>
<td>34,000</td>
<td>34,000</td>
<td>34,000</td>
<td>34,000</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Virginia</td>
<td>Joint Base Myer-Henderson Security Fence</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Washington</td>
<td>Joint Base Lewis-McChord Confinement Facility</td>
<td>66,000</td>
<td>66,000</td>
<td>0</td>
<td>66,000</td>
<td>66,000</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Washington</td>
<td>Yakima Fire Station</td>
<td>19,500</td>
<td>19,500</td>
<td>19,500</td>
<td>19,500</td>
<td>19,500</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Worldwide</td>
<td>Unspecified Worldwide Locations ERI: Planning and Design</td>
<td>0</td>
<td>0</td>
<td>15,700</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Worldwide</td>
<td>Unspecified Worldwide Locations Host Nation Support</td>
<td>28,700</td>
<td>28,700</td>
<td>28,700</td>
<td>28,700</td>
<td>28,700</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Worldwide</td>
<td>Unspecified Worldwide Locations Planning and Design</td>
<td>72,770</td>
<td>72,770</td>
<td>72,770</td>
<td>72,770</td>
<td>72,770</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Worldwide</td>
<td>Unspecified Worldwide Locations Prior Year Savings: Unspecified Minor Construction, Army</td>
<td>0</td>
<td>–10,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Worldwide</td>
<td>Unspecified Worldwide Locations Unspecified Minor Construction</td>
<td>31,500</td>
<td>41,500</td>
<td>31,500</td>
<td>31,500</td>
<td>31,500</td>
<td></td>
</tr>
</tbody>
</table>

Military Construction, Army Total | 920,394 | 957,794 | 938,894 | 62,400 | 982,794 |

---

<table>
<thead>
<tr>
<th>Department</th>
<th>State/Location</th>
<th>Project Description</th>
<th>Cost</th>
<th>Cost</th>
<th>Cost</th>
<th>Cost</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Navy</td>
<td>Arizona</td>
<td>Yuma Enlisted Dining Facility &amp; Community Bldgs</td>
<td>36,358</td>
<td>36,358</td>
<td>36,358</td>
<td>36,358</td>
<td>36,358</td>
</tr>
<tr>
<td>Navy</td>
<td>California</td>
<td>Barstow Combat Vehicle Repair Facility</td>
<td>36,539</td>
<td>36,539</td>
<td>36,539</td>
<td>36,539</td>
<td>36,539</td>
</tr>
<tr>
<td>Navy</td>
<td>California</td>
<td>Camp Pendleton Ammunition Supply Point Upgrade</td>
<td>61,139</td>
<td>61,139</td>
<td>61,139</td>
<td>61,139</td>
<td>61,139</td>
</tr>
<tr>
<td>Navy</td>
<td>California</td>
<td>Coronado Undersea Rescue Command Operations Building</td>
<td>0</td>
<td>36,000</td>
<td>36,000</td>
<td>36,000</td>
<td>36,000</td>
</tr>
<tr>
<td>Navy</td>
<td>California</td>
<td>Lemoore F/A-18 Avionics Repair Facility Replacement</td>
<td>60,828</td>
<td>60,828</td>
<td>60,828</td>
<td>60,828</td>
<td>60,828</td>
</tr>
<tr>
<td>Navy</td>
<td>California</td>
<td>Miramar Aircraft Maintenance Hangar (INC 2)</td>
<td>39,600</td>
<td>39,600</td>
<td>39,600</td>
<td>39,600</td>
<td>39,600</td>
</tr>
<tr>
<td>Navy</td>
<td>California</td>
<td>Miramar F-35 Simulator Facility</td>
<td>0</td>
<td>47,600</td>
<td>47,574</td>
<td>47,600</td>
<td>47,600</td>
</tr>
<tr>
<td>Navy</td>
<td>California</td>
<td>San Diego P440 Pier B Replacement</td>
<td>0</td>
<td>0</td>
<td>108,000</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Navy</td>
<td>California</td>
<td>Twentynine Palms Portable Water Treatment/Blending Facility</td>
<td>55,099</td>
<td>55,099</td>
<td>55,099</td>
<td>55,099</td>
<td>55,099</td>
</tr>
<tr>
<td>Navy</td>
<td>District of Columbia</td>
<td>NSA Washington Electronics Science and Technology Laboratory</td>
<td>37,882</td>
<td>37,882</td>
<td>37,882</td>
<td>37,882</td>
<td>37,882</td>
</tr>
<tr>
<td>Navy</td>
<td>District of Columbia</td>
<td>NSA Washington Washington Navy Yard AT/FP</td>
<td>60,000</td>
<td>14,810</td>
<td>0</td>
<td>–60,000</td>
<td>0</td>
</tr>
<tr>
<td>Navy</td>
<td>Djibouti</td>
<td>Camp Lemonier Aircraft Parking Apron Expansion</td>
<td>13,390</td>
<td>0</td>
<td>13,390</td>
<td>–13,390</td>
<td>0</td>
</tr>
</tbody>
</table>
## SEC. 4601. MILITARY CONSTRUCTION
### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Account</th>
<th>State/ Country</th>
<th>Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Navy</td>
<td>FLORIDA</td>
<td>Mayport</td>
<td>ADVANCED WASTEWATER TREATMENT PLANT (AWWTTP)</td>
<td>74,994</td>
<td>74,994</td>
<td>74,994</td>
<td>0</td>
<td>74,994</td>
</tr>
<tr>
<td>Navy</td>
<td>FLORIDA</td>
<td>Mayport</td>
<td>MISSILE MAGAZINES</td>
<td>9,824</td>
<td>9,824</td>
<td>9,824</td>
<td>0</td>
<td>9,824</td>
</tr>
<tr>
<td>Navy</td>
<td>FLORIDA</td>
<td>Mayport</td>
<td>P425 LITTORAL COMBAT SHIP (LCS) SUPPORT FACILITY (LSF)</td>
<td>0</td>
<td>0</td>
<td>81,000</td>
<td>0</td>
<td>81,000</td>
</tr>
<tr>
<td>Navy</td>
<td>FLORIDA</td>
<td>Mayport</td>
<td>P427 LITTORAL COMBAT SHIP (LCS) TRAINING FACILITY (LSF)</td>
<td>0</td>
<td>0</td>
<td>29,000</td>
<td>0</td>
<td>29,000</td>
</tr>
<tr>
<td>Navy</td>
<td>GEORGIA</td>
<td>Albany</td>
<td>COMBAT VEHICLE WAREHOUSE</td>
<td>0</td>
<td>43,300</td>
<td>43,300</td>
<td>43,300</td>
<td>43,300</td>
</tr>
<tr>
<td>Navy</td>
<td>GREECE</td>
<td>Souda Bay</td>
<td>STRATEGIC AIRCRAFT PARKING APRON EXPANSION</td>
<td>22,045</td>
<td>22,045</td>
<td>22,045</td>
<td>0</td>
<td>22,045</td>
</tr>
<tr>
<td>Navy</td>
<td>GUAM</td>
<td>Joint Region Marianas</td>
<td>AIRCRAFT MAINTENANCE HANGAR #2</td>
<td>75,233</td>
<td>75,233</td>
<td>75,233</td>
<td>0</td>
<td>75,233</td>
</tr>
<tr>
<td>Navy</td>
<td>GUAM</td>
<td>Joint Region Marianas</td>
<td>CORROSION CONTROL HANGAR</td>
<td>66,747</td>
<td>66,747</td>
<td>66,747</td>
<td>0</td>
<td>66,747</td>
</tr>
<tr>
<td>Navy</td>
<td>GUAM</td>
<td>Joint Region Marianas</td>
<td>MALS FACILITIES</td>
<td>49,431</td>
<td>49,431</td>
<td>49,431</td>
<td>0</td>
<td>49,431</td>
</tr>
<tr>
<td>Navy</td>
<td>GUAM</td>
<td>Joint Region Marianas</td>
<td>NAVY-COMMERICAL TIE-IN HARDENING</td>
<td>37,180</td>
<td>37,180</td>
<td>37,180</td>
<td>0</td>
<td>37,180</td>
</tr>
<tr>
<td>Navy</td>
<td>GUAM</td>
<td>Joint Region Marianas</td>
<td>WATER WELL FIELD</td>
<td>56,088</td>
<td>56,088</td>
<td>56,088</td>
<td>0</td>
<td>56,088</td>
</tr>
<tr>
<td>Navy</td>
<td>HAWAI</td>
<td>Joint Base Pearl Harbor-Hickam</td>
<td>SEWER LIFT STATION &amp; RELIEF SEWER LINE</td>
<td>73,200</td>
<td>73,200</td>
<td>73,200</td>
<td>0</td>
<td>73,200</td>
</tr>
<tr>
<td>Navy</td>
<td>HAWAI</td>
<td>Kaneohe Bay</td>
<td>LHD PAD CONVERSIONS MV–22 LANDING PADS</td>
<td>19,012</td>
<td>19,012</td>
<td>19,012</td>
<td>0</td>
<td>19,012</td>
</tr>
<tr>
<td>Navy</td>
<td>HAWAI</td>
<td>Kaneohe Bay</td>
<td>MOKAPU GATE ENTRY CONTROL AT/FP COMPLIANCE</td>
<td>0</td>
<td>26,492</td>
<td>26,492</td>
<td>0</td>
<td>26,492</td>
</tr>
<tr>
<td>Navy</td>
<td>HAWAI</td>
<td>Wahiawa</td>
<td>COMMUNICATIONS/CRYPTO FACILITY</td>
<td>65,864</td>
<td>65,864</td>
<td>65,864</td>
<td>0</td>
<td>65,864</td>
</tr>
<tr>
<td>Navy</td>
<td>JAPAN</td>
<td>Iwakuni</td>
<td>KC130I ENLISTED AIRCRAFT TRAINER FACILITY</td>
<td>21,860</td>
<td>21,860</td>
<td>21,860</td>
<td>0</td>
<td>21,860</td>
</tr>
<tr>
<td>Navy</td>
<td>MAINE</td>
<td>Kittery</td>
<td>PAINT, BLAST, AND RUBBER FACILITY</td>
<td>61,692</td>
<td>61,692</td>
<td>61,692</td>
<td>0</td>
<td>61,692</td>
</tr>
<tr>
<td>Navy</td>
<td>NORTH CAROLINA</td>
<td>Camp Lejeune</td>
<td>BACHELOR ENLISTED QUARTERS</td>
<td>37,983</td>
<td>37,983</td>
<td>37,983</td>
<td>0</td>
<td>37,983</td>
</tr>
<tr>
<td>Navy</td>
<td>NORTH CAROLINA</td>
<td>Camp Lejeune</td>
<td>WATER TREATMENT PLANT REPLACEMENT HAGNOT PT</td>
<td>65,784</td>
<td>65,784</td>
<td>65,784</td>
<td>0</td>
<td>65,784</td>
</tr>
<tr>
<td>Navy</td>
<td>NORTH CAROLINA</td>
<td>Cherry Point Marine Corps Air Station</td>
<td>F–35B VERTICAL LIFT FAN TEST FACILITY</td>
<td>15,671</td>
<td>15,671</td>
<td>15,671</td>
<td>0</td>
<td>15,671</td>
</tr>
<tr>
<td>Navy</td>
<td>NORTH CAROLINA</td>
<td>Camp Lejeune</td>
<td>RADIO BN COMPLEX, PHASE 2</td>
<td>0</td>
<td>64,292</td>
<td>64,292</td>
<td>0</td>
<td>64,292</td>
</tr>
<tr>
<td>Navy</td>
<td>VIRGINIA</td>
<td>Dam Neck</td>
<td>ISR OPERATIONS FACILITY EXPANSION</td>
<td>29,262</td>
<td>29,262</td>
<td>29,262</td>
<td>0</td>
<td>29,262</td>
</tr>
<tr>
<td>Navy</td>
<td>VIRGINIA</td>
<td>Joint Expeditionary Base Little Creek—Story</td>
<td>ACU–4 ELECTRICAL UPGRADES</td>
<td>2,596</td>
<td>2,596</td>
<td>2,596</td>
<td>0</td>
<td>2,596</td>
</tr>
<tr>
<td>Program Name</td>
<td>Location</td>
<td>contractor/Type</td>
<td>E17</td>
<td>E18</td>
<td>E19</td>
<td>E20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>--------------</td>
<td>-------------------------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TBS FIRE STATION BUILDING 533 REPLACEMENT</td>
<td>Quantico</td>
<td>Naval Facilities</td>
<td>0</td>
<td>0</td>
<td>23,738</td>
<td>23,738</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHAMBERS FIELD MAGAZINE RECAP PH 1</td>
<td>Norfolk</td>
<td>Naval Facilities</td>
<td>34,665</td>
<td>34,665</td>
<td>34,665</td>
<td>34,665</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SHIP REPAIR TRAINING FACILITY</td>
<td>Portsmouth</td>
<td>Naval Facilities</td>
<td>72,990</td>
<td>72,990</td>
<td>72,990</td>
<td>72,990</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BACHELOR ENLISTED QUARTERS</td>
<td>Yorktown</td>
<td>Naval Facilities</td>
<td>36,358</td>
<td>36,358</td>
<td>36,358</td>
<td>36,358</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MISSILE MAGAZINES</td>
<td>Indian Island</td>
<td>Naval Facilities</td>
<td>44,440</td>
<td>44,440</td>
<td>44,440</td>
<td>44,440</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLANNING AND DESIGN</td>
<td></td>
<td>Naval Facilities</td>
<td>0</td>
<td>0</td>
<td>18,500</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRIOR YEAR SAVINGS: UNSPECIFIED MINOR CONSTRUCTION</td>
<td></td>
<td>Naval Facilities</td>
<td>219,069</td>
<td>219,069</td>
<td>228,069</td>
<td>219,069</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPAIR CENTRAL HEAT/POWER PLANT BOILER PH 4</td>
<td></td>
<td>Naval Facilities</td>
<td>41,000</td>
<td>41,000</td>
<td>41,000</td>
<td>41,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DORMITORY—168 PN</td>
<td></td>
<td>Naval Facilities</td>
<td>0</td>
<td>0</td>
<td>20,000</td>
<td>20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APR—BULK FUEL STORAGE TANKS</td>
<td>Darwin</td>
<td>Naval Facilities</td>
<td>76,000</td>
<td>76,000</td>
<td>76,000</td>
<td>76,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KC—46A HANGAR</td>
<td>Travis Air Force Base</td>
<td>Naval Facilities</td>
<td>0</td>
<td>1,400</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KC—46A AIRCRAFT 3-BAY MAINTENANCE HANGAR</td>
<td>Travis Air Force Base</td>
<td>Naval Facilities</td>
<td>0</td>
<td>107,000</td>
<td>0</td>
<td>107,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KC—46A ALTER B181/185/187 SQUAD OPS/MU</td>
<td>Travis Air Force Base</td>
<td>Naval Facilities</td>
<td>0</td>
<td>6,400</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KC—46A ALTER B811 CORROSION CONTROL HANGAR</td>
<td>Travis Air Force Base</td>
<td>Naval Facilities</td>
<td>0</td>
<td>7,700</td>
<td>0</td>
<td>7,700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SBIRs OPERATIONS FACILITY</td>
<td>Buckley Air Force Base</td>
<td>Naval Facilities</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13 AFS EXPANSION</td>
<td>Fort Carson</td>
<td>Naval Facilities</td>
<td>13,000</td>
<td>13,000</td>
<td>13,000</td>
<td>13,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIR FORCE CYBERWORK</td>
<td>U.S. Air Force Academy</td>
<td>Naval Facilities</td>
<td>30,000</td>
<td>30,000</td>
<td>30,000</td>
<td>30,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ERI POL CAPACITY PHASE II</td>
<td>Amari Air Base</td>
<td>Naval Facilities</td>
<td>0</td>
<td>4,700</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ERI TACTICAL FIGHTER AIRCRAFT PARKING APRON</td>
<td>Amari Air Base</td>
<td>Naval Facilities</td>
<td>0</td>
<td>0</td>
<td>9,200</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F—35A ARMAMENT RESEARCH FAC ADDITION (B614)</td>
<td>Eglin AFB</td>
<td>Naval Facilities</td>
<td>8,700</td>
<td>8,700</td>
<td>8,700</td>
<td>8,700</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Military Construction, Navy Total: 1,816,665 1,874,985 2,043,569 103,740 1,720,405
<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country</th>
<th>Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF</td>
<td>FLORIDA</td>
<td>Eglin AFB</td>
<td>LONG-RANGE STAND-OFF ACQUISITION FAC</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
</tr>
<tr>
<td>AF</td>
<td>FLORIDA</td>
<td>Eglin AFB</td>
<td>DORMITORIES (288 RM)</td>
<td>0</td>
<td>44,000</td>
<td>44,000</td>
<td>44,000</td>
<td>44,000</td>
</tr>
<tr>
<td>AF</td>
<td>FLORIDA</td>
<td>MacDill AFB</td>
<td>KC-135 BEDDOWN OQ/AMX HQ</td>
<td>8,100</td>
<td>8,100</td>
<td>8,100</td>
<td>8,100</td>
<td>8,100</td>
</tr>
<tr>
<td>AF</td>
<td>FLORIDA</td>
<td>Tyndall Air Force Base</td>
<td>FIRE STATION</td>
<td>0</td>
<td>17,000</td>
<td>17,000</td>
<td>17,000</td>
<td>17,000</td>
</tr>
<tr>
<td>AF</td>
<td>GEORGIA</td>
<td>Robins AFB</td>
<td>COMMERCIAL VEHICLE VISITOR CONTROL FACILITY</td>
<td>9,800</td>
<td>9,800</td>
<td>9,800</td>
<td>9,800</td>
<td>9,800</td>
</tr>
<tr>
<td>AF</td>
<td>HUNGARY</td>
<td>Kecskemet AB</td>
<td>ERI: AIRFIELD UPGRADES</td>
<td>0</td>
<td>0</td>
<td>12,900</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AF</td>
<td>HUNGARY</td>
<td>Kecskemet AB</td>
<td>ERI: CONSTRUCT PARALLEL TAXIWAY</td>
<td>0</td>
<td>0</td>
<td>30,000</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AF</td>
<td>HUNGARY</td>
<td>Kecskemet AB</td>
<td>ERI: INCREASE POL STORAGE CAPACITY</td>
<td>0</td>
<td>0</td>
<td>12,500</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AF</td>
<td>ICELAND</td>
<td>Keflavik</td>
<td>ERI: AIRFIELD UPGRADES</td>
<td>0</td>
<td>0</td>
<td>14,400</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AF</td>
<td>ITALY</td>
<td>Aviano AB</td>
<td>GUARDIAN ANGEL OPERATIONS FACILITY</td>
<td>27,325</td>
<td>0</td>
<td>27,325</td>
<td>-27,325</td>
<td>0</td>
</tr>
<tr>
<td>AF</td>
<td>KANSAS</td>
<td>McConnell AFB</td>
<td>COMBAT ARMS FACILITY</td>
<td>17,500</td>
<td>17,500</td>
<td>17,500</td>
<td>17,500</td>
<td>17,500</td>
</tr>
<tr>
<td>AF</td>
<td>LATVIA</td>
<td>Liepava Air Base</td>
<td>ERI: EXPAND STRATEGIC RAMP PARKING</td>
<td>0</td>
<td>0</td>
<td>3,850</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AF</td>
<td>LUXEMBOURG</td>
<td>Sanem</td>
<td>ERI: ECAOS DEPLOYABLE AIRBASE SYSTEM STORAGE</td>
<td>0</td>
<td>0</td>
<td>67,400</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AF</td>
<td>MARIANA ISLANDS</td>
<td>Tinian</td>
<td>APR LAND ACQUISITION</td>
<td>12,900</td>
<td>12,900</td>
<td>12,900</td>
<td>12,900</td>
<td>12,900</td>
</tr>
<tr>
<td>AF</td>
<td>MARYLAND</td>
<td>Joint Base Andrews</td>
<td>PAR LAND ACQUISITION</td>
<td>17,500</td>
<td>17,500</td>
<td>17,500</td>
<td>17,500</td>
<td>17,500</td>
</tr>
<tr>
<td>AF</td>
<td>MARYLAND</td>
<td>Joint Base Andrews</td>
<td>PRESIDENTIAL AIRCRAFT RECAP COMPLEX</td>
<td>254,000</td>
<td>124,000</td>
<td>58,000</td>
<td>-154,000</td>
<td>100,000</td>
</tr>
<tr>
<td>AF</td>
<td>MASSACHUSETTS</td>
<td>Hanscom AFB</td>
<td>VANDENBERG GATE COMPLEX</td>
<td>11,400</td>
<td>11,400</td>
<td>11,400</td>
<td>11,400</td>
<td>11,400</td>
</tr>
<tr>
<td>AF</td>
<td>NEVADA</td>
<td>Nellis AFB</td>
<td>RED FLAG 5TH GEN FACILITY ADDITION</td>
<td>23,000</td>
<td>23,000</td>
<td>23,000</td>
<td>23,000</td>
<td>23,000</td>
</tr>
<tr>
<td>AF</td>
<td>NEVADA</td>
<td>Nellis AFB</td>
<td>VIRTUAL WARFARE CENTER OPERATIONS FACILITY</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
</tr>
<tr>
<td>AF</td>
<td>NEW JERSEY</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ADAL B1749 FOR ATOL &amp; LST SERVICING</td>
<td>0</td>
<td>2,000</td>
<td>0</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>AF</td>
<td>NEW JERSEY</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ADAL B1816 FOR SUPPLY</td>
<td>0</td>
<td>6,900</td>
<td>0</td>
<td>6,900</td>
<td>6,900</td>
</tr>
<tr>
<td>AF</td>
<td>NEW JERSEY</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ADAL B2319 FOR BOOM OPERATOR TRAINE R</td>
<td>0</td>
<td>6,100</td>
<td>0</td>
<td>6,100</td>
<td>6,100</td>
</tr>
<tr>
<td>AF</td>
<td>NEW JERSEY</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ADAL B2334 REGIONAL MX TRAINING FAC</td>
<td>0</td>
<td>18,000</td>
<td>0</td>
<td>18,000</td>
<td>18,000</td>
</tr>
<tr>
<td>AF</td>
<td>NEW JERSEY</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ADAL B3205 FOR FUSELAGE TRAINER</td>
<td>0</td>
<td>3,300</td>
<td>0</td>
<td>3,300</td>
<td>3,300</td>
</tr>
<tr>
<td>AF</td>
<td>NEW JERSEY</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ADD TO B1837 FOR BODY TANKS STORAGE</td>
<td>0</td>
<td>2,300</td>
<td>0</td>
<td>2,300</td>
<td>2,300</td>
</tr>
<tr>
<td>AF</td>
<td>NEW JERSEY</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A AEROSPACE GROUND EQUIPMENT STORAGE</td>
<td>0</td>
<td>4,100</td>
<td>0</td>
<td>4,100</td>
<td>4,100</td>
</tr>
<tr>
<td>AF</td>
<td>NEW JERSEY</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ALTER APRON &amp; FUEL HYDRANTS</td>
<td>0</td>
<td>17,000</td>
<td>0</td>
<td>17,000</td>
<td>17,000</td>
</tr>
<tr>
<td>AF</td>
<td>NEW JERSEY</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC-46A ALTER BLDGS FOR DPS AND TFI AMU-AMXS</td>
<td>0</td>
<td>9,000</td>
<td>0</td>
<td>9,000</td>
<td>9,000</td>
</tr>
<tr>
<td>AF</td>
<td>Location</td>
<td>Project Description</td>
<td>Cost 1</td>
<td>Cost 2</td>
<td>Cost 3</td>
<td>Cost 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>---------------------------</td>
<td>--------------------------------------------------------------------------------------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC–46A ALTER FACILITIES FOR MAINTENANCE</td>
<td>0</td>
<td>5,800</td>
<td>0</td>
<td>5,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC</td>
<td>McGuire-Dix-Lakehurst</td>
<td>KC–46A TWO-BAY GENERAL PURPOSE MAINTENANCE HANGAR</td>
<td>0</td>
<td>72,000</td>
<td>0</td>
<td>72,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NM</td>
<td>Cannon AFB</td>
<td>DANGEROUS CARGO PAD RELOCATE CATM</td>
<td>42,000</td>
<td>42,000</td>
<td>42,000</td>
<td>42,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NM</td>
<td>Holloman AFB</td>
<td>RPA FIXED GROUND CONTROL STATION FACILITY</td>
<td>4,250</td>
<td>4,250</td>
<td>4,250</td>
<td>4,250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC</td>
<td>Kitling Air Force Base</td>
<td>FIRE STATION</td>
<td>0</td>
<td>9,300</td>
<td>9,300</td>
<td>9,300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ND</td>
<td>Minot AFB</td>
<td>INDOOR FIRING RANGE</td>
<td>27,000</td>
<td>27,000</td>
<td>27,000</td>
<td>27,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NO</td>
<td>Rygge</td>
<td>ERI: REPLACE/EXPAND QUICK REACTION ALERT PAD</td>
<td>0</td>
<td>0</td>
<td>10,300</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OH</td>
<td>Wright-Patterson AFB</td>
<td>FIRE/CRASH RESCUE STATION</td>
<td>0</td>
<td>0</td>
<td>6,800</td>
<td>6,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OK</td>
<td>Altus AFB</td>
<td>FIRE RESCUE CENTER</td>
<td>0</td>
<td>0</td>
<td>16,000</td>
<td>16,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OK</td>
<td>Altus AFB</td>
<td>KC–46A–FTU FUSELAGE TRAINER PHASE 2</td>
<td>4,900</td>
<td>4,900</td>
<td>4,900</td>
<td>4,900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>QA</td>
<td>Al Udeid</td>
<td>CONSOLIDATED SQUADRON OPERATIONS FACILITY</td>
<td>15,000</td>
<td>0</td>
<td>15,000</td>
<td>–15,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RO</td>
<td>Campia Turzii</td>
<td>ERI: UPGRADE UTILITIES INFRASTRUCTURE</td>
<td>0</td>
<td>0</td>
<td>2,950</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK</td>
<td>Malacky</td>
<td>ERI: AIRFIELD UPGRADES</td>
<td>0</td>
<td>0</td>
<td>4,000</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK</td>
<td>Malacky</td>
<td>ERI: INCREASE POL STORAGE CAPACITY</td>
<td>0</td>
<td>0</td>
<td>20,000</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TK</td>
<td>Silac Airport</td>
<td>ERI: AIRFIELD UPGRADES</td>
<td>0</td>
<td>0</td>
<td>22,000</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TX</td>
<td>Joint Base San Antonio</td>
<td>AIR TRAFFIC CONTROL TOWER</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TX</td>
<td>Joint Base San Antonio</td>
<td>BMT CLASSROOMS/DINING FACILITY 4</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TX</td>
<td>Joint Base San Antonio</td>
<td>BMT RECRUIT DORMITORY 7</td>
<td>90,130</td>
<td>90,130</td>
<td>90,130</td>
<td>90,130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TX</td>
<td>Joint Base San Antonio</td>
<td>CAMP BULLIS DINING FACILITY</td>
<td>18,500</td>
<td>18,500</td>
<td>18,500</td>
<td>18,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TR</td>
<td>Incirlik AB</td>
<td>DORMITORY—216 PN</td>
<td>25,997</td>
<td>0</td>
<td>25,997</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB</td>
<td>Royal Air Force Fairfield</td>
<td>EIC RC–135 INFRASTRUCTURE</td>
<td>2,150</td>
<td>2,150</td>
<td>2,150</td>
<td>2,150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB</td>
<td>Royal Air Force Fairfield</td>
<td>EIC RC–135 INTEL AND SQUAD OPS FACILITY</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
<td>38,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB</td>
<td>Royal Air Force Fairfield</td>
<td>EIC RC–135 RUNWAY OVERRUN RECONFIGURATION</td>
<td>5,500</td>
<td>5,500</td>
<td>5,500</td>
<td>5,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB</td>
<td>Royal Air Force</td>
<td>CONSOLIDATED CORROSION CONTROL FACILITY</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB</td>
<td>Royal Air Force</td>
<td>F–35A 6–BAY HANGAR</td>
<td>24,000</td>
<td>24,000</td>
<td>24,000</td>
<td>24,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB</td>
<td>Royal Air Force</td>
<td>F–35A F–15 PARKING</td>
<td>10,800</td>
<td>10,800</td>
<td>10,800</td>
<td>10,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB</td>
<td>Royal Air Force</td>
<td>FLIGHT SIMULATOR FACILITY</td>
<td>22,000</td>
<td>22,000</td>
<td>22,000</td>
<td>22,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB</td>
<td>Royal Air Force</td>
<td>F–35A INFRASTRUCTURE</td>
<td>6,700</td>
<td>6,700</td>
<td>6,700</td>
<td>6,700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Account</td>
<td>State/Country</td>
<td>Installation</td>
<td>Project Title</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>---------</td>
<td>---------------</td>
<td>--------------</td>
<td>---------------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>AF</td>
<td>UNITED KINGDOM</td>
<td>Royal Air Force</td>
<td>F–35A SQUADRON OPERATIONS AND AMU</td>
<td>41,000</td>
<td>41,000</td>
<td>41,000</td>
<td>41,000</td>
<td>41,000</td>
</tr>
<tr>
<td>AF</td>
<td>UTAH</td>
<td>Hill AFB</td>
<td>UTR CONSOLIDATED MISSION CONTROL CENTER</td>
<td>28,000</td>
<td>28,000</td>
<td>28,000</td>
<td>28,000</td>
<td>28,000</td>
</tr>
<tr>
<td>AF</td>
<td>WORLDWIDE</td>
<td>Unspecified Worldwide Locations</td>
<td>KC–46A MAIN OPERATING BASE 4</td>
<td>269,000</td>
<td>0</td>
<td>253,000</td>
<td>-269,000</td>
<td>0</td>
</tr>
<tr>
<td>AF</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>ERI: PLANNING AND DESIGN</td>
<td>0</td>
<td>0</td>
<td>56,630</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>AF</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>PLANNING AND DESIGN</td>
<td>97,852</td>
<td>97,852</td>
<td>97,852</td>
<td>97,852</td>
<td>97,852</td>
</tr>
<tr>
<td>AF</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>PLANNING AND DESIGN</td>
<td>0</td>
<td>0</td>
<td>56,400</td>
<td>56,400</td>
<td>56,400</td>
</tr>
<tr>
<td>AF</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Various Worldwide Locations</td>
<td>UNSPECIFIED MINOR CONSTRUCTION</td>
<td>31,400</td>
<td>31,400</td>
<td>31,400</td>
<td>31,400</td>
<td>31,400</td>
</tr>
<tr>
<td>AF</td>
<td>WYOMING</td>
<td>F. E. Warren AFB</td>
<td>CONSOLIDATED HELO/TRF OPS/AMU AND ALERT FAC</td>
<td>62,000</td>
<td>62,000</td>
<td>62,000</td>
<td>62,000</td>
<td>62,000</td>
</tr>
<tr>
<td></td>
<td>Military Construction, Air Force Total</td>
<td></td>
<td></td>
<td>1,738,796</td>
<td>1,610,774</td>
<td>1,967,126</td>
<td>-60,622</td>
<td>1,678,174</td>
</tr>
</tbody>
</table>

Def-Wide ALASKA Fort Greely MISSILE FIELD #4 200,000 200,000
Def-Wide CALIFORNIA Camp Pendleton AMBULATORY CARE CENTER REPLACEMENT 26,400 26,400 26,400 26,400
Def-Wide CALIFORNIA Camp Pendleton SOF MARINE BATTALION COMPANY/TEAM FACILITIES 9,958 9,958 9,958 9,958
Def-Wide CALIFORNIA Camp Pendleton SOF MOTOR TRANSPORT FACILITY EXPANSION 7,284 7,284 7,284 7,284
Def-Wide CALIFORNIA Coronado SOF BASIC TRAINING COMMAND 96,077 96,077 96,077 96,077
Def-Wide CALIFORNIA Coronado SOF LOGISTICS SUPPORT UNIT ONE OPS FAC. #3 46,175 46,175 46,175 46,175
Def-Wide CALIFORNIA Coronado SOF SEAL TEAM OPS FACILITY 50,265 50,265 50,265 50,265
Def-Wide CALIFORNIA Coronado SOF SEAL TEAM OPS FACILITY 66,218 66,218 66,218 66,218
Def-Wide COLORADO Schriever AFB AMBULATORY CARE CENTER/DEPARTMENT ADD/ALT. 10,200 10,200 10,200 10,200
Def-Wide CONUS CLASSIFIED Classified Location BATTALION COMPLEX, PH 1 64,364 64,364 64,364 64,364
Def-Wide FLORIDA Eglin AFB SOF SIMULATOR FACILITY 5,000 5,000 5,000 5,000
Def-Wide FLORIDA Eglin AFB UPGRADE OPEN STORAGE YARD 4,100 4,100 4,100 4,100
Def-Wide FLORIDA Hurlburt Field SOF COMBAT AIRCRAFT PARKING APRON 34,700 34,700 34,700 34,700
<table>
<thead>
<tr>
<th>Def-Wide</th>
<th>Location</th>
<th>Description</th>
<th>Original Cost</th>
<th>Resultant Cost</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLORIDA</td>
<td>Hurlburt Field</td>
<td>SOF Simulator &amp; Fuselage Trainer Facility</td>
<td>11,700</td>
<td>11,700</td>
<td>0</td>
</tr>
<tr>
<td>GEORGIA</td>
<td>Fort Gordon</td>
<td>Blood Donor Center Replacement</td>
<td>10,350</td>
<td>10,350</td>
<td>0</td>
</tr>
<tr>
<td>GERMANY</td>
<td>Rhine Ordnance Barracks</td>
<td>Medical Center Replacement Incr 7</td>
<td>106,700</td>
<td>106,700</td>
<td>0</td>
</tr>
<tr>
<td>GERMANY</td>
<td>Spangdahlem AB</td>
<td>Spangdahlem Elementary School Replacement</td>
<td>79,141</td>
<td>79,141</td>
<td>0</td>
</tr>
<tr>
<td>GERMANY</td>
<td>Stuttgart</td>
<td>Robinson Barracks Elem. School Replacement</td>
<td>46,609</td>
<td>46,609</td>
<td>0</td>
</tr>
<tr>
<td>GREECE</td>
<td>Souda Bay</td>
<td>Construct Hydrant System</td>
<td>18,100</td>
<td>18,100</td>
<td>0</td>
</tr>
<tr>
<td>GUAM</td>
<td>Andersen AFB</td>
<td>Construct Truck Load &amp; Unload Facility</td>
<td>23,900</td>
<td>23,900</td>
<td>0</td>
</tr>
<tr>
<td>HAWAI</td>
<td>Kunia</td>
<td>NSAH Kunia Tunnel Entrance</td>
<td>5,000</td>
<td>5,000</td>
<td>0</td>
</tr>
<tr>
<td>ITALY</td>
<td>Sigonella</td>
<td>Construct Hydrant System</td>
<td>22,400</td>
<td>22,400</td>
<td>0</td>
</tr>
<tr>
<td>ITALY</td>
<td>Vicenza</td>
<td>Vicenza High School Replacement</td>
<td>62,406</td>
<td>62,406</td>
<td>0</td>
</tr>
<tr>
<td>JAPAN</td>
<td>Iwakuni</td>
<td>Construct Bulk Storage Tanks Ph I</td>
<td>30,800</td>
<td>30,800</td>
<td>0</td>
</tr>
<tr>
<td>JAPAN</td>
<td>Kadena AB</td>
<td>SOF Maintenance Hangar</td>
<td>3,972</td>
<td>3,972</td>
<td>0</td>
</tr>
<tr>
<td>JAPAN</td>
<td>Kadena AB</td>
<td>SOF Special Tactics Operations Facility</td>
<td>27,573</td>
<td>27,573</td>
<td>0</td>
</tr>
<tr>
<td>JAPAN</td>
<td>Okinawa</td>
<td>Replace Mooring System</td>
<td>11,900</td>
<td>11,900</td>
<td>0</td>
</tr>
<tr>
<td>JAPAN</td>
<td>Sasebo</td>
<td>Upgrade Fuel Wharf</td>
<td>45,600</td>
<td>45,600</td>
<td>0</td>
</tr>
<tr>
<td>JAPAN</td>
<td>Torii Commn Station</td>
<td>SOF Tactical Equipment Maintenance FAC</td>
<td>25,323</td>
<td>25,323</td>
<td>0</td>
</tr>
<tr>
<td>JAPAN</td>
<td>Yokota AB</td>
<td>Airfield Apron</td>
<td>10,800</td>
<td>10,800</td>
<td>0</td>
</tr>
<tr>
<td>JAPAN</td>
<td>Yokota AB</td>
<td>Hangar/Aircraft Maintenance Unit</td>
<td>12,034</td>
<td>12,034</td>
<td>0</td>
</tr>
<tr>
<td>JAPAN</td>
<td>Yokota AB</td>
<td>Operations and Warehouse Facilities</td>
<td>8,590</td>
<td>8,590</td>
<td>0</td>
</tr>
<tr>
<td>JAPAN</td>
<td>Yokota AB</td>
<td>Simulator Facility</td>
<td>2,189</td>
<td>2,189</td>
<td>0</td>
</tr>
<tr>
<td>MARYLAND</td>
<td>Bethesda Naval Hospital</td>
<td>Medical Center Addition/Alteration Incr 2</td>
<td>123,800</td>
<td>123,800</td>
<td>0</td>
</tr>
<tr>
<td>MARYLAND</td>
<td>Fort Meade</td>
<td>NSAW Recapitalize Building #2 Incr 3</td>
<td>313,968</td>
<td>313,968</td>
<td>0</td>
</tr>
<tr>
<td>MISSOURI</td>
<td>Fort Leonard Wood</td>
<td>Blood Processing Center Replacement</td>
<td>11,941</td>
<td>11,941</td>
<td>0</td>
</tr>
<tr>
<td>MISSOURI</td>
<td>Fort Leonard Wood</td>
<td>Hospital Replacement</td>
<td>250,000</td>
<td>250,000</td>
<td>0</td>
</tr>
<tr>
<td>MISSOURI</td>
<td>St. Louis</td>
<td>Next NGA West (NGW) Complex, Phase 1</td>
<td>381,000</td>
<td>381,000</td>
<td>0</td>
</tr>
<tr>
<td>NEW MEXICO</td>
<td>Cannon AFB</td>
<td>SOF C-130 Age Facility</td>
<td>8,228</td>
<td>8,228</td>
<td>0</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>Camp Lejeune</td>
<td>Ambulatory Care Center Addition/Alteration</td>
<td>15,300</td>
<td>15,300</td>
<td>0</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>Camp Lejeune</td>
<td>Ambulatory Care Center/Dental Clinic</td>
<td>22,000</td>
<td>22,000</td>
<td>0</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>Camp Lejeune</td>
<td>Ambulatory Care Center/Dental Clinic</td>
<td>21,400</td>
<td>21,400</td>
<td>0</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>Fort Bragg</td>
<td>SOF Human Performance Training Center</td>
<td>10,800</td>
<td>10,800</td>
<td>0</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>Fort Bragg</td>
<td>SOF Motor Transport Maintenance Expansion</td>
<td>20,539</td>
<td>20,539</td>
<td>0</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>Fort Bragg</td>
<td>SOF Human Performance Training CTR</td>
<td>20,260</td>
<td>20,260</td>
<td>0</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>Fort Bragg</td>
<td>SOF Support Battalion Admin Facility</td>
<td>13,518</td>
<td>13,518</td>
<td>0</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>Fort Bragg</td>
<td>SOF Tactical Equipment Maintenance Facility</td>
<td>20,000</td>
<td>20,000</td>
<td>0</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>Fort Bragg</td>
<td>SOF Telecomm Reliability Improvements</td>
<td>4,000</td>
<td>4,000</td>
<td>0</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>Seymour Johnson AFB</td>
<td>Construct Tanker Truck Delivery System</td>
<td>20,000</td>
<td>20,000</td>
<td>0</td>
</tr>
<tr>
<td>Account</td>
<td>State/Country</td>
<td>Installation</td>
<td>Project Title</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
</tr>
<tr>
<td>---------</td>
<td>---------------</td>
<td>--------------</td>
<td>---------------</td>
<td>-----------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>PUERTO RICO</td>
<td>Punta Borrinquen</td>
<td>RAMEY UNIT SCHOOL REPLACEMENT</td>
<td>61,071</td>
<td>61,071</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>SOUTH CAROLINA</td>
<td>Shaw AFB</td>
<td>CONSOLIDATE FUEL FACILITIES</td>
<td>22,900</td>
<td>22,900</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>TEXAS</td>
<td>Fort Bliss</td>
<td>BLOOD PROCESSING CENTER</td>
<td>8,300</td>
<td>0</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>TEXAS</td>
<td>Fort Bliss</td>
<td>HOSPITAL REPLACEMENT INCR 8</td>
<td>251,330</td>
<td>251,330</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>UNITED KINGDOM</td>
<td>Menwith Hill Station</td>
<td>RAFM MAIN GATE REHABILITATION</td>
<td>11,000</td>
<td>11,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>UTAH</td>
<td>Hill AFB</td>
<td>REPLACE POL FACILITIES</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>VIRGINIA</td>
<td>Joint Expeditionary Base</td>
<td>SOF SATEC RANGE EXPANSION</td>
<td>23,000</td>
<td>23,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>VIRGINIA</td>
<td>Norfolk</td>
<td>REPLACE HAZARDOUS MATERIALS WAREHOUSE</td>
<td>18,500</td>
<td>18,500</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>VIRGINIA</td>
<td>Pentagon</td>
<td>PENTAGON CORR 8 PEDESTRIAN ACCESS CONTROL PT</td>
<td>8,140</td>
<td>8,140</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>VIRGINIA</td>
<td>Pentagon</td>
<td>S.E. SAFETY TRAFFIC AND PARKING IMPROVEMENTS</td>
<td>28,700</td>
<td>28,700</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>VIRGINIA</td>
<td>Pentagon</td>
<td>SECURITY UPDATES</td>
<td>13,260</td>
<td>13,260</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>VIRGINIA</td>
<td>Portsmouth</td>
<td>REPLACE HAZARDOUS MATERIALS WAREHOUSE</td>
<td>22,500</td>
<td>22,500</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>CONTINGENCY CONSTRUCTION</td>
<td>10,000</td>
<td>0</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>ENERGY RESILIENCE AND CONSERV. INVEST. PROG.</td>
<td>150,000</td>
<td>150,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>ERCIP DESIGN</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>EXERCISE RELATED MINOR CONSTRUCTION</td>
<td>11,490</td>
<td>11,490</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>PLANNING &amp; DESIGN</td>
<td>23,012</td>
<td>23,012</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>PLANNING &amp; DESIGN MDA EAST COAST SITE</td>
<td>0</td>
<td>10,000</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>PLANNING AND DESIGN</td>
<td>0</td>
<td>1,150</td>
</tr>
<tr>
<td>Def-Wide</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>PLANNING AND DESIGN</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Location</td>
<td>Description</td>
<td>Fiscal Year 1</td>
<td>Fiscal Year 2</td>
<td>Fiscal Year 3</td>
<td>Fiscal Year 4</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------------------------------------</td>
<td>---------------</td>
<td>---------------</td>
<td>---------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Planning and Design</td>
<td>40,220</td>
<td>40,220</td>
<td>40,220</td>
<td>40,220</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Planning and Design</td>
<td>1,150</td>
<td>1,150</td>
<td>1,150</td>
<td>1,150</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Planning and Design</td>
<td>1,942</td>
<td>1,942</td>
<td>1,942</td>
<td>1,942</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Planning and Design</td>
<td>26,147</td>
<td>26,147</td>
<td>26,147</td>
<td>26,147</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Planning and Design</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Planning and Design</td>
<td>13,500</td>
<td>13,500</td>
<td>13,500</td>
<td>13,500</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Prior Year Savings: Defense Wide Unspecified Minor Construction</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Unspecified Minor Construction</td>
<td>8,000</td>
<td>8,000</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Unspecified Minor Construction</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Unspecified Minor Construction</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Unspecified Minor Construction</td>
<td>7,384</td>
<td>7,384</td>
<td>7,384</td>
<td>7,384</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Unspecified Minor Construction</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Defense-Wide Worldwide Unspecified</td>
<td>Unspecified Minor Construction</td>
<td>2,039</td>
<td>2,039</td>
<td>2,039</td>
<td>2,039</td>
</tr>
<tr>
<td><strong>Military Construction, Defense-Wide Total</strong></td>
<td></td>
<td><strong>3,314,913</strong></td>
<td><strong>2,763,832</strong></td>
<td><strong>2,613,463</strong></td>
<td><strong>-373,400</strong></td>
</tr>
<tr>
<td><strong>NATO Worldwide Unspecified</strong></td>
<td>NATO Security Investment Program</td>
<td>154,000</td>
<td>177,932</td>
<td>154,000</td>
<td>154,000</td>
</tr>
<tr>
<td><strong>NATO SECURITY INVESTMENT PROGRAM</strong></td>
<td></td>
<td>154,000</td>
<td>177,932</td>
<td>154,000</td>
<td>154,000</td>
</tr>
<tr>
<td>Account</td>
<td>State/Country</td>
<td>Installation</td>
<td>Project Title</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------------</td>
<td>-----------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>-----------------</td>
<td>------------------</td>
</tr>
<tr>
<td>NATO</td>
<td>WORLDWIDE UN-SPECIFIED</td>
<td>NATO Security Investment Program</td>
<td>PRIOR YEAR SAVINGS: NATO SECURITY INVESTMENT PROGRAM</td>
<td>0</td>
<td>-25,000</td>
</tr>
<tr>
<td>NATO Security Investment Program Total</td>
<td></td>
<td></td>
<td></td>
<td>154,000</td>
<td>152,932</td>
</tr>
<tr>
<td>Army NG</td>
<td>DELAWARE</td>
<td>New Castle</td>
<td>COMBINED SUPPORT MAINTENANCE SHOP</td>
<td>36,000</td>
<td>36,000</td>
</tr>
<tr>
<td>Army NG</td>
<td>IDAHO</td>
<td>MTC Gowen</td>
<td>ENLISTED BARRACKS TRANSIENT TRAINING</td>
<td>0</td>
<td>9,000</td>
</tr>
<tr>
<td>Army NG</td>
<td>IDAHO</td>
<td>Orchard Training Area</td>
<td>DIGITAL AIR/GROUND INTEGRATION RANGE</td>
<td>22,000</td>
<td>22,000</td>
</tr>
<tr>
<td>Army NG</td>
<td>IOWA</td>
<td>Camp Dodge</td>
<td>VEHICLE MAINTENANCE INSTRUCTIONAL FACILITY</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Army NG</td>
<td>KANSAS</td>
<td>Fort Leavenworth</td>
<td>ENLISTED BARRACKS TRANSIENT TRAINING</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Army NG</td>
<td>MAINE</td>
<td>Presque Isle</td>
<td>NATIONAL GUARD READINESS CENTER</td>
<td>17,500</td>
<td>17,500</td>
</tr>
<tr>
<td>Army NG</td>
<td>MARYLAND</td>
<td>Sykesville</td>
<td>NATIONAL GUARD READINESS CENTER</td>
<td>19,000</td>
<td>19,000</td>
</tr>
<tr>
<td>Army NG</td>
<td>MINNESOTA</td>
<td>Arden Hills</td>
<td>NATIONAL GUARD READINESS CENTER</td>
<td>39,000</td>
<td>39,000</td>
</tr>
<tr>
<td>Army NG</td>
<td>MISSOURI</td>
<td>Springfield</td>
<td>AIRCRAFT MAINTENANCE HANGAR (ADDITION)</td>
<td>0</td>
<td>32,000</td>
</tr>
<tr>
<td>Army NG</td>
<td>NEW MEXICO</td>
<td>Las Cruces</td>
<td>NATIONAL GUARD READINESS CENTER ADDITION</td>
<td>8,600</td>
<td>8,600</td>
</tr>
<tr>
<td>Army NG</td>
<td>VIRGINIA</td>
<td>Fort Belvoir</td>
<td>READINESS CENTER ADD/ALT</td>
<td>0</td>
<td>15,000</td>
</tr>
<tr>
<td>Army NG</td>
<td>VIRGINIA</td>
<td>Fort Pickett</td>
<td>TRAINING AIDS CENTER</td>
<td>4,550</td>
<td>4,550</td>
</tr>
<tr>
<td>Army NG</td>
<td>WASHINGTON</td>
<td>Tumwater</td>
<td>NATIONAL GUARD READINESS CENTER</td>
<td>31,000</td>
<td>31,000</td>
</tr>
<tr>
<td>Army NG</td>
<td>WORLDWIDE UN-SPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>PLANNING AND DESIGN</td>
<td>16,271</td>
<td>16,271</td>
</tr>
<tr>
<td>Army NG</td>
<td>WORLDWIDE UN-SPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>UNSPECIFIED MINOR CONSTRUCTION</td>
<td>16,731</td>
<td>16,731</td>
</tr>
<tr>
<td>Military Construction, Army National Guard Total</td>
<td></td>
<td></td>
<td></td>
<td>210,652</td>
<td>266,652</td>
</tr>
</tbody>
</table>

<p>| Army Res        | CALIFORNIA      | Fallbrook                   | ARMY RESERVE CENTER                                                           | 36,000          | 36,000           | 36,000            | 36,000            | 36,000               |
| Army Res        | DELAWARE       | Newark                      | ARMY RESERVE CENTER                                                           | 0               | 0                | 19,500            | 0                 | 0                    |
| Army Res        | OHIO           | Wright-Patterson AFB        | AREA MAINTENANCE SUPPORT ACTIVITY                                             | 0               | 0                | 9,100             | 0                 | 0                    |
| Army Res        | PUERTO RICO    | Aguadilla                   | ARMY RESERVE CENTER                                                           | 12,400          | 12,400           | 12,400            | 12,400            | 12,400               |
| Army Res        | PUERTO RICO    | Fort Buchanan               | RESERVE CENTER                                                                | 0               | 26,000           | 0                 | 26,000            | 26,000               |
| Army Res        | WASHINGTON     | Lewis-McCord                | RESERVE CENTER                                                                | 0               | 30,000           | 30,000            | 30,000            | 30,000               |
| Army Res        | WISCONSIN      | Fort McCoy                  | AT/NOB DINING FACILITY--1428 PN                                              | 13,000          | 13,000           | 13,000            | 0                 | 13,000               |</p>
<table>
<thead>
<tr>
<th>Service</th>
<th>Worldwide Unspecified Locations</th>
<th>Planning and Design</th>
<th>Unspecified Minor Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Army Res</td>
<td>6,887</td>
<td>6,887</td>
<td>6,887</td>
</tr>
<tr>
<td>Army Res</td>
<td>5,425</td>
<td>5,425</td>
<td>5,425</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Service</th>
<th>Planning and Design</th>
<th>Unspecified Minor Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/MC Res</td>
<td>4,430</td>
<td>1,504</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Service</th>
<th>Planning and Design</th>
<th>Unspecified Minor Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/MC Res</td>
<td>17,330</td>
<td>17,330</td>
</tr>
<tr>
<td>N/MC Res</td>
<td>17,797</td>
<td>17,797</td>
</tr>
<tr>
<td>N/MC Res</td>
<td>11,573</td>
<td>11,573</td>
</tr>
<tr>
<td>N/MC Res</td>
<td>12,637</td>
<td>12,637</td>
</tr>
<tr>
<td>N/MC Res</td>
<td>4,430</td>
<td>4,430</td>
</tr>
<tr>
<td>N/MC Res</td>
<td>1,504</td>
<td>1,504</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Service</th>
<th>Planning and Design</th>
<th>Unspecified Minor Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air NG</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>Air NG</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>Air NG</td>
<td>7,000</td>
<td>7,000</td>
</tr>
<tr>
<td>Air NG</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Air NG</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Air NG</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Air NG</td>
<td>6,800</td>
<td>6,800</td>
</tr>
<tr>
<td>Air NG</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Air NG</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>Air NG</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Air NG</td>
<td>10,500</td>
<td>10,500</td>
</tr>
<tr>
<td>Air NG</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>Air NG</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>Air NG</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>Account</td>
<td>State/Country</td>
<td>Installation</td>
</tr>
<tr>
<td>---------</td>
<td>---------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Air NG</td>
<td>SOUTH DAKOTA</td>
<td>Joe Foss Field</td>
</tr>
<tr>
<td>Air NG</td>
<td>TENNESSEE</td>
<td>McGhee-Tyson Airport</td>
</tr>
<tr>
<td>Air NG</td>
<td>WISCONSIN</td>
<td>Dane County Regional Airport/Truax Field</td>
</tr>
<tr>
<td>Air NG</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
</tr>
<tr>
<td>Air NG</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
</tr>
<tr>
<td>Air NG</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
</tr>
</tbody>
</table>

Military Construction, Air National Guard Total: 161,491 203,391 187,491 34,000 195,491
<table>
<thead>
<tr>
<th>Military Construction, Air Force Reserve Total</th>
<th>63,535</th>
<th>107,635</th>
<th>172,235</th>
<th>57,600</th>
<th>121,135</th>
</tr>
</thead>
<tbody>
<tr>
<td>FH Con Army GEORGIA Fort Gordon FAMILY HOUSING NEW CONSTRUCTION</td>
<td>6,100</td>
<td>6,100</td>
<td>6,100</td>
<td>6,100</td>
<td></td>
</tr>
<tr>
<td>FH Con Army GERMANY Baumholder CONSTRUCTION IMPROVEMENTS</td>
<td>34,156</td>
<td>34,156</td>
<td>34,156</td>
<td>34,156</td>
<td></td>
</tr>
<tr>
<td>FH Con Army GERMANY South Camp Vilseck FAMILY HOUSING NEW CONSTRUCTION (36 UNITS)</td>
<td>22,445</td>
<td>22,445</td>
<td>22,445</td>
<td>22,445</td>
<td></td>
</tr>
<tr>
<td>FH Con Army KOREA Camp Humphreys FAMILY HOUSING NEW CONSTRUCTION INC R 2</td>
<td>34,402</td>
<td>34,402</td>
<td>34,402</td>
<td>34,402</td>
<td></td>
</tr>
<tr>
<td>FH Con Army KWAJALEIN Kwajalein Atoll FAMILY HOUSING REPLACEMENT CONSTRUCTION</td>
<td>31,000</td>
<td>31,000</td>
<td>0</td>
<td>31,000</td>
<td></td>
</tr>
<tr>
<td>FH Con Army MASSACHUSETTS Natick FAMILY HOUSING REPLACEMENT CONSTRUCTION</td>
<td>21,000</td>
<td>21,000</td>
<td>21,000</td>
<td>21,000</td>
<td></td>
</tr>
<tr>
<td>FH Con Army WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations PLANNING &amp; DESIGN</td>
<td>33,559</td>
<td>33,559</td>
<td>33,559</td>
<td>33,559</td>
<td></td>
</tr>
<tr>
<td>FH Con Army WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations PRIOR YEAR SAVINGS: FAMILY HOUSING CONSTRUCTION, ARMY</td>
<td>0</td>
<td>-18,000</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Family Housing Construction, Army Total</td>
<td>182,662</td>
<td>164,662</td>
<td>151,662</td>
<td>0</td>
<td>182,662</td>
</tr>
<tr>
<td>FH Ops Army WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations FURNISHINGS</td>
<td>12,816</td>
<td>12,816</td>
<td>12,816</td>
<td>12,816</td>
<td></td>
</tr>
<tr>
<td>FH Ops Army WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations HOUSING PRIVATIZATION SUPPORT</td>
<td>20,893</td>
<td>20,893</td>
<td>20,893</td>
<td>20,893</td>
<td></td>
</tr>
<tr>
<td>FH Ops Army WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations LEASING</td>
<td>148,538</td>
<td>148,538</td>
<td>148,538</td>
<td>148,538</td>
<td></td>
</tr>
<tr>
<td>FH Ops Army WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations MAINTENANCE</td>
<td>57,708</td>
<td>57,708</td>
<td>57,708</td>
<td>57,708</td>
<td></td>
</tr>
<tr>
<td>FH Ops Army WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations MANAGEMENT</td>
<td>37,089</td>
<td>37,089</td>
<td>37,089</td>
<td>37,089</td>
<td></td>
</tr>
<tr>
<td>FH Ops Army WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations MISCELLANEOUS</td>
<td>400</td>
<td>400</td>
<td>400</td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>FH Ops Army WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations SERVICES</td>
<td>8,930</td>
<td>8,930</td>
<td>8,930</td>
<td>8,930</td>
<td></td>
</tr>
<tr>
<td>FH Ops Army WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations UTILITIES</td>
<td>60,251</td>
<td>60,251</td>
<td>60,251</td>
<td>60,251</td>
<td></td>
</tr>
<tr>
<td>Family Housing Operation And Maintenance, Army Total</td>
<td>346,625</td>
<td>346,625</td>
<td>346,625</td>
<td>0</td>
<td>346,625</td>
</tr>
<tr>
<td>FH Con Navy BAHRAIN ISLAND SW Asia CONSTRUCT ON-BASE FFOQ</td>
<td>2,138</td>
<td>2,138</td>
<td>2,138</td>
<td>2,138</td>
<td></td>
</tr>
<tr>
<td>FH Con Navy MARIANA ISLANDS Guam REPLACE ANDERSEN HOUSING PH II</td>
<td>40,875</td>
<td>40,875</td>
<td>0</td>
<td>40,875</td>
<td></td>
</tr>
<tr>
<td>FH Con Navy WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations CONSTRUCTION IMPROVEMENTS</td>
<td>36,251</td>
<td>36,251</td>
<td>36,251</td>
<td>36,251</td>
<td></td>
</tr>
</tbody>
</table>
### SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country</th>
<th>Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>FH Con Navy</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>PLANNING &amp; DESIGN</td>
<td>4,418</td>
<td>4,418</td>
<td>4,418</td>
<td>4,418</td>
<td></td>
</tr>
<tr>
<td>FH Con Navy</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>PRIOR YEAR SAVINGS: FAMILY HOUSING CONSTRUCTION, N/MC</td>
<td>0</td>
<td>-8,000</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td><strong>Family Housing Construction, Navy And Marine Corps Total</strong></td>
<td></td>
<td></td>
<td></td>
<td>83,682</td>
<td>75,682</td>
<td>42,807</td>
<td>0</td>
<td>83,682</td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>FURNISHINGS</td>
<td>14,529</td>
<td>14,529</td>
<td>14,529</td>
<td>14,529</td>
<td></td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>HOUSING PRIVATIZATION SUPPORT</td>
<td>27,587</td>
<td>27,587</td>
<td>27,587</td>
<td>27,587</td>
<td></td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>LEASING</td>
<td>61,921</td>
<td>61,921</td>
<td>61,921</td>
<td>61,921</td>
<td></td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>MAINTENANCE</td>
<td>95,104</td>
<td>95,104</td>
<td>95,104</td>
<td>95,104</td>
<td></td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>MANAGEMENT</td>
<td>50,989</td>
<td>50,989</td>
<td>50,989</td>
<td>50,989</td>
<td></td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>MISCELLANEOUS</td>
<td>336</td>
<td>336</td>
<td>336</td>
<td>336</td>
<td></td>
</tr>
<tr>
<td>FH Ops Navy</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>SERVICES</td>
<td>15,649</td>
<td>15,649</td>
<td>15,649</td>
<td>15,649</td>
<td></td>
</tr>
<tr>
<td><strong>Family Housing Operation And Maintenance, Navy And Marine Corps Total</strong></td>
<td></td>
<td></td>
<td></td>
<td>328,282</td>
<td>328,282</td>
<td>328,282</td>
<td>0</td>
<td>328,282</td>
</tr>
<tr>
<td>FH Con AF</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>CONSTRUCTION IMPROVEMENTS</td>
<td>80,617</td>
<td>80,617</td>
<td>80,617</td>
<td>80,617</td>
<td></td>
</tr>
<tr>
<td>FH Con AF</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>PLANNING &amp; DESIGN</td>
<td>4,445</td>
<td>4,445</td>
<td>4,445</td>
<td>4,445</td>
<td></td>
</tr>
<tr>
<td>FH Con AF</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>PRIOR YEAR SAVINGS: FAMILY HOUSING CONSTRUCTION</td>
<td>0</td>
<td>-20,000</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Family Housing Construction, Air Force Total</td>
<td>85,062</td>
<td>65,062</td>
<td>85,062</td>
<td>0</td>
<td>85,062</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>---</td>
<td>--------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops AF WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations FURNISHINGS</td>
<td>29,424</td>
<td>29,424</td>
<td>29,424</td>
<td>29,424</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops AF WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations HOUSING PRIVATIZATION</td>
<td>21,569</td>
<td>21,569</td>
<td>21,569</td>
<td>21,569</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops AF WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations LEASING</td>
<td>16,818</td>
<td>16,818</td>
<td>16,818</td>
<td>16,818</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops AF WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations MAINTENANCE</td>
<td>134,189</td>
<td>134,189</td>
<td>134,189</td>
<td>134,189</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops AF WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations MANAGEMENT</td>
<td>53,464</td>
<td>53,464</td>
<td>53,464</td>
<td>53,464</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops AF WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations MISCELLANEOUS</td>
<td>1,839</td>
<td>1,839</td>
<td>1,839</td>
<td>1,839</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops AF WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations SERVICES</td>
<td>13,517</td>
<td>13,517</td>
<td>13,517</td>
<td>13,517</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops AF WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations UTILITIES</td>
<td>47,504</td>
<td>47,504</td>
<td>47,504</td>
<td>47,504</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Family Housing Operation And Maintenance, Air Force Total</td>
<td>318,324</td>
<td>318,324</td>
<td>318,324</td>
<td>0</td>
<td>318,324</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops DW WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations FURNISHINGS</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops DW WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations FURNISHINGS</td>
<td>641</td>
<td>641</td>
<td>641</td>
<td>641</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops DW WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations FURNISHINGS</td>
<td>407</td>
<td>407</td>
<td>407</td>
<td>407</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops DW WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations LEASING</td>
<td>12,390</td>
<td>12,390</td>
<td>12,390</td>
<td>12,390</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops DW WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations LEASING</td>
<td>39,716</td>
<td>39,716</td>
<td>39,716</td>
<td>39,716</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops DW WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations MAINTENANCE</td>
<td>655</td>
<td>655</td>
<td>655</td>
<td>655</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH Ops DW WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations MAINTENANCE</td>
<td>567</td>
<td>567</td>
<td>567</td>
<td>567</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Account</td>
<td>State/Country</td>
<td>Installation</td>
<td>Project Title</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
<td>Conference Change</td>
<td>Conference Authorized</td>
</tr>
<tr>
<td>-----------------</td>
<td>---------------------</td>
<td>-----------------------------</td>
<td>----------------------------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>--------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>MANAGEMENT</td>
<td>319</td>
<td>319</td>
<td>319</td>
<td>319</td>
<td></td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>SERVICES</td>
<td>14</td>
<td>14</td>
<td>14</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>UTILITIES</td>
<td>268</td>
<td>268</td>
<td>268</td>
<td>268</td>
<td></td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>UTILITIES</td>
<td>86</td>
<td>86</td>
<td>86</td>
<td>86</td>
<td></td>
</tr>
<tr>
<td>FH Ops DW</td>
<td>WORLDWIDE UNSPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>UTILITIES</td>
<td>4,100</td>
<td>4,100</td>
<td>4,100</td>
<td>4,100</td>
<td></td>
</tr>
</tbody>
</table>

**Family Housing Operation And Maintenance, Defense-Wide Total** ................................. 59,169 59,169 59,169 0 59,169

FHIF WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations ADMINISTRATIVE EXPENSES—FHIF 2,726 2,726 2,726 2,726

**DoD Family Housing Improvement Fund Total** ................................................................. 2,726 2,726 2,726 0 2,726

UHIF WORLDWIDE UNSPECIFIED Unaccompanied Housing Improvement Fund ADMINISTRATIVE EXPENSES—UHIF 623 623 623 623

**Unaccompanied Housing Improvement Fund Total** ............................................................ 623 623 623 0 623

BRAC WORLDWIDE UNSPECIFIED Base Realignment & Closure, Army BASE REALIGNMENT AND CLOSURE 58,000 58,000 58,000 58,000

**Base Realignment and Closure—Army Total** ................................................................. 58,000 58,000 58,000 0 58,000

BRAC WORLDWIDE UNSPECIFIED Base Realignment & Closure, Navy BASE REALIGNMENT & CLOSURE 93,474 128,474 93,474 35,000 128,474

BRAC WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations DON–100: PLANNING, DESIGN AND MANAGEMENT 8,428 8,428 8,428 8,428

BRAC WORLDWIDE UNSPECIFIED Unspecified Worldwide Locations DON–101: VARIOUS LOCATIONS 23,753 23,753 23,753 23,753
<table>
<thead>
<tr>
<th>BRAC Code</th>
<th>Location Description</th>
<th>Navy Total</th>
<th>Military Construction Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>DON-138</td>
<td>NAS BRUNSWICK, ME</td>
<td>647</td>
<td>143,644</td>
</tr>
<tr>
<td>DON-157</td>
<td>MCSA KANSAS CITY, MO</td>
<td>40</td>
<td>178,644</td>
</tr>
<tr>
<td>DON-172</td>
<td>NWS SEAL BEACH, CONCORD, CA</td>
<td>5,355</td>
<td>143,644</td>
</tr>
<tr>
<td>DON-84</td>
<td>JRB WILLOW GROVE &amp; CAMBRIA REG AP</td>
<td>4,737</td>
<td>10,105,437</td>
</tr>
<tr>
<td>UNDISTRIBUTED</td>
<td></td>
<td>7,210</td>
<td>-1,782</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>9,928,228</strong></td>
<td><strong>9,530,777</strong></td>
</tr>
</tbody>
</table>

November 7, 2017 (1:25 p.m.)
### SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS.

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country</th>
<th>Installation</th>
<th>Project Title</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Army</td>
<td>GUANTANAMO BAY, CUBA</td>
<td>Guantanamo Bay</td>
<td>OCO: BARRACKS</td>
<td>115,000</td>
<td>115,000</td>
<td>115,000</td>
<td>115,000</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>TURKEY</td>
<td>Various Locations</td>
<td>FORWARD OPERATING SITE</td>
<td>0</td>
<td>6,400</td>
<td>0</td>
<td>6,400</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>WORLDWIDE UN-SPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>ERI: PLANNING AND DESIGN</td>
<td>15,700</td>
<td>15,700</td>
<td>0</td>
<td>15,700</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>WORLDWIDE UN-SPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>OCO: PLANNING AND DESIGN</td>
<td>9,000</td>
<td>9,000</td>
<td>0</td>
<td>9,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>139,700</td>
<td>146,100</td>
<td>124,000</td>
<td>6,400</td>
<td></td>
</tr>
<tr>
<td>Navy</td>
<td>DJIBOUTI</td>
<td>Camp Lemonier</td>
<td>AIRCRAFT PARKING APRON EXPANSION</td>
<td>0</td>
<td>13,390</td>
<td>0</td>
<td>13,390</td>
<td></td>
</tr>
<tr>
<td>Navy</td>
<td>WORLDWIDE UN-SPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>ERI: PLANNING AND DESIGN</td>
<td>18,500</td>
<td>18,500</td>
<td>0</td>
<td>18,500</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>18,500</td>
<td>31,890</td>
<td>0</td>
<td>13,390</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>ESTONIA</td>
<td>Amari Air Base</td>
<td>ERI: POL CAPACITY PHASE II</td>
<td>4,700</td>
<td>4,700</td>
<td>0</td>
<td>4,700</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>ESTONIA</td>
<td>Amari Air Base</td>
<td>ERI: TACTICAL FIGHTER AIRCRAFT PARKING APRON</td>
<td>9,200</td>
<td>9,200</td>
<td>0</td>
<td>9,200</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>HUNGARY</td>
<td>Kecskemet AB</td>
<td>ERI: AIRFIELD UPGRADES</td>
<td>12,900</td>
<td>0</td>
<td>0</td>
<td>12,900</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>HUNGARY</td>
<td>Kecskemet AB</td>
<td>ERI: CONSTRUCT PARALLEL TAXIWAY</td>
<td>30,000</td>
<td>0</td>
<td>0</td>
<td>30,000</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>HUNGARY</td>
<td>Kecskemet AB</td>
<td>ERI: INCREASE POL STORAGE CAPACITY</td>
<td>12,500</td>
<td>0</td>
<td>0</td>
<td>12,500</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>ICELAND</td>
<td>Keflavik</td>
<td>ERI: AIRFIELD UPGRADES</td>
<td>14,400</td>
<td>14,400</td>
<td>0</td>
<td>14,400</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>ITALY</td>
<td>Aviano AB</td>
<td>GUARDIAN ANGEL OPERATIONS FACILITY</td>
<td>0</td>
<td>27,325</td>
<td>0</td>
<td>27,325</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>JORDAN</td>
<td>Azraq</td>
<td>OCO: MSAB DEVELOPMENT</td>
<td>143,000</td>
<td>143,000</td>
<td>143,000</td>
<td>143,000</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>LATVIA</td>
<td>Liepake Air Base</td>
<td>ERI: EXPAND STRATEGIC RAMP PARKING</td>
<td>3,850</td>
<td>3,850</td>
<td>0</td>
<td>3,850</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>LUXEMBOURG</td>
<td>Sanem</td>
<td>ERI: ECAOS DEPLOYABLE AIRBASE SYSTEM STOR-AGE</td>
<td>67,400</td>
<td>67,400</td>
<td>0</td>
<td>67,400</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>NORWAY</td>
<td>Rygge</td>
<td>ERI: REPLACE/EXPAND QUICK REACTION ALERT PAD</td>
<td>10,300</td>
<td>0</td>
<td>0</td>
<td>10,300</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>QATAR</td>
<td>Al Udeid</td>
<td>CONSOLIDATED SQUADRON OPERATIONS FACILITY</td>
<td>0</td>
<td>15,000</td>
<td>0</td>
<td>15,000</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>ROMANIA</td>
<td>Campia Turzii</td>
<td>ERI: UPGRADE UTILITIES INFRASTRUCTURE</td>
<td>2,950</td>
<td>2,950</td>
<td>0</td>
<td>2,950</td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Project</td>
<td>Quantity</td>
<td>Cost</td>
<td>Funding</td>
<td>Description</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------</td>
<td>----------</td>
<td>------</td>
<td>---------</td>
<td>--------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF</strong></td>
<td>SLOVAKIA Malacky</td>
<td>4,000</td>
<td>0</td>
<td>0</td>
<td>AIRFIELD UPGRADES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF</strong></td>
<td>SLOVAKIA Malacky</td>
<td>20,000</td>
<td>0</td>
<td>0</td>
<td>INCREASE POL STORAGE CAPACITY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF</strong></td>
<td>SLOVAKIA Silac Airport</td>
<td>22,000</td>
<td>0</td>
<td>0</td>
<td>AIRFIELD UPGRADES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF</strong></td>
<td>TURKEY Incirlik AB</td>
<td>25,997</td>
<td>0</td>
<td>0</td>
<td>DORMITORY—216PN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF</strong></td>
<td>TURKEY Incirlik AB</td>
<td>14,600</td>
<td>14,600</td>
<td>0</td>
<td>RELOCATE BASE MAIN ACCESS CONTROL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF</strong></td>
<td>TURKEY Incirlik AB</td>
<td>8,100</td>
<td>8,100</td>
<td>8,100</td>
<td>REPLACE PERIMETER FENCE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF</strong></td>
<td>WORLDWIDE UN-SPECIFIED</td>
<td>56,630</td>
<td>56,630</td>
<td>0</td>
<td>PLANNING AND DESIGN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF</strong></td>
<td>WORLDWIDE UN-SPECIFIED</td>
<td>41,500</td>
<td>41,500</td>
<td>41,500</td>
<td>PLANNING AND DESIGN</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Military Construction, Air Force Total**: 478,030

**Military Construction, Defense-Wide Total**: 1,900

**Total, Military Construction**: 638,130

---

**Def-Wide**

<table>
<thead>
<tr>
<th>Location</th>
<th>Project</th>
<th>Quantity</th>
<th>Cost</th>
<th>Funding</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITALY</td>
<td>Sigonella</td>
<td>0</td>
<td>22,400</td>
<td>0</td>
<td>CONSTRUCT HYDRANT SYSTEM</td>
</tr>
<tr>
<td>WORLDWIDE UN-SPECIFIED</td>
<td>Unspecified Worldwide Locations</td>
<td>1,900</td>
<td>1,900</td>
<td>1,900</td>
<td>PLANNING AND DESIGN</td>
</tr>
</tbody>
</table>

**Military Construction, Defense-Wide Total**: 24,300

**Total, Military Construction**: 636,942

---

**Def-Wide**

<table>
<thead>
<tr>
<th>Location</th>
<th>Project</th>
<th>Quantity</th>
<th>Cost</th>
<th>Funding</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS.

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Energy Programs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuclear Energy</td>
<td>133,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>133,000</td>
</tr>
<tr>
<td><strong>Atomic Energy Defense Activities</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>National nuclear security administration:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weapons activities</td>
<td>10,239,344</td>
<td>184,200</td>
<td>273,600</td>
<td>138,131</td>
<td>10,377,475</td>
</tr>
<tr>
<td>Defense nuclear nonproliferation</td>
<td>1,793,310</td>
<td>80,000</td>
<td>250,297</td>
<td>90,000</td>
<td>1,883,310</td>
</tr>
<tr>
<td>Naval reactors</td>
<td>1,479,751</td>
<td>0</td>
<td>38,000</td>
<td>0</td>
<td>1,431,551</td>
</tr>
<tr>
<td>Federal salaries and expenses</td>
<td>418,595</td>
<td>–</td>
<td>11,000</td>
<td>0</td>
<td>407,595</td>
</tr>
<tr>
<td><strong>Total, National nuclear security administration</strong></td>
<td>13,931,000</td>
<td>253,200</td>
<td>561,897</td>
<td>217,131</td>
<td>14,099,931</td>
</tr>
<tr>
<td><strong>Environmental and other defense activities:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defense environmental cleanup</td>
<td>5,537,186</td>
<td>70,000</td>
<td>0</td>
<td>–97,080</td>
<td>5,440,106</td>
</tr>
<tr>
<td>Other defense activities</td>
<td>815,512</td>
<td>3,000</td>
<td>0</td>
<td>488</td>
<td>816,000</td>
</tr>
<tr>
<td>Defense nuclear waste disposal</td>
<td>30,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>30,000</td>
</tr>
<tr>
<td><strong>Total, Environmental &amp; other defense activities</strong></td>
<td>6,382,698</td>
<td>73,000</td>
<td>0</td>
<td>–96,592</td>
<td>6,286,106</td>
</tr>
<tr>
<td>Description</td>
<td>Total, Atomic Energy Defense Activities</td>
<td>20,313,698</td>
<td>326,200</td>
<td>561,897</td>
<td>120,539</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------</td>
<td>-----------------------------------------</td>
<td>------------</td>
<td>--------</td>
<td>---------</td>
<td>--------</td>
</tr>
<tr>
<td>Total, Discretionary Funding</td>
<td></td>
<td>20,446,698</td>
<td>326,200</td>
<td>561,897</td>
<td>120,539</td>
</tr>
</tbody>
</table>

**Nuclear Energy**

- Idaho sitewide safeguards and security ................................................................. 133,000 133,000

**Total, Nuclear Energy**

<table>
<thead>
<tr>
<th>Total, Nuclear Energy</th>
<th>133,000</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>133,000</th>
</tr>
</thead>
</table>

**Weapons Activities**

**Directed stockpile work**

**Life extension programs**

- B61 Life extension program ......................................................................................... 788,572 788,572
- W76 Life extension program ......................................................................................... 224,134 224,134
- W88 Alteration program .............................................................................................. 332,292 332,292
- W80–4 Life extension program ..................................................................................... 399,090 399,090

**Total, Life extension programs**

<table>
<thead>
<tr>
<th>Total, Life extension programs</th>
<th>1,744,088</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>1,744,088</th>
</tr>
</thead>
</table>

**Stockpile systems**

- B61 Stockpile systems ......................................................................................... 59,729 59,729
- W76 Stockpile systems ......................................................................................... 51,400 51,400
- W78 Stockpile systems ......................................................................................... 60,100 60,100
- W80 Stockpile systems ......................................................................................... 80,087 80,087
- B83 Stockpile systems ......................................................................................... 35,762 35,762
- W87 Stockpile systems ......................................................................................... 83,200 83,200
- W88 Stockpile systems ......................................................................................... 131,576 131,576

**Total, Stockpile systems**

<table>
<thead>
<tr>
<th>Total, Stockpile systems</th>
<th>501,854</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>501,854</th>
</tr>
</thead>
</table>

**Weapons dismantlement and disposition**

- Operations and maintenance ............................................................................... 52,000 52,000

**Stockpile services**

- Production support ............................................................................................... 470,400 470,400
### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

#### (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research and development support</td>
<td>31,150</td>
<td>31,150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R&amp;D certification and safety</td>
<td>196,840</td>
<td>20,900</td>
<td>196,840</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program increase for technology maturation</td>
<td></td>
<td></td>
<td>[20,900]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management, technology, and production</td>
<td>285,400</td>
<td></td>
<td>285,400</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Stockpile services</strong></td>
<td>983,790</td>
<td>0</td>
<td>20,900</td>
<td>0</td>
<td>983,790</td>
</tr>
<tr>
<td><strong>Strategic materials</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uranium sustainment</td>
<td>20,579</td>
<td>20,579</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plutonium sustainment</td>
<td>210,367</td>
<td>210,367</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tritium sustainment</td>
<td>198,152</td>
<td>198,152</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Domestic uranium enrichment</td>
<td>60,000</td>
<td>60,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strategic materials sustainment</td>
<td>206,196</td>
<td>206,196</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Strategic materials</strong></td>
<td>695,294</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>695,294</td>
</tr>
<tr>
<td><strong>Total, Directed stockpile work</strong></td>
<td>3,977,026</td>
<td>0</td>
<td>20,900</td>
<td>0</td>
<td>3,977,026</td>
</tr>
</tbody>
</table>

#### Research, development, test and evaluation (RDT&E)

**Science**

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced certification</td>
<td>57,710</td>
<td>57,710</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primary assessment technologies</td>
<td>89,313</td>
<td>89,313</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic materials properties</td>
<td>122,347</td>
<td>122,347</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced radiography</td>
<td>37,600</td>
<td>37,600</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secondary assessment technologies</td>
<td>76,833</td>
<td></td>
<td>[−2,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Academic alliances and partnerships</td>
<td>52,963</td>
<td>52,963</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enhanced Capabilities for Subcritical Experiments</td>
<td>50,755</td>
<td>15,000</td>
<td>50,755</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radiography project completion</td>
<td></td>
<td></td>
<td>[15,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Science</strong></td>
<td>487,521</td>
<td>[−2,000]</td>
<td>15,000</td>
<td>0</td>
<td>487,521</td>
</tr>
</tbody>
</table>
### Engineering

<table>
<thead>
<tr>
<th>Description</th>
<th>Budget 2018</th>
<th>Budget 2017</th>
<th>Budget Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhanced surety</td>
<td>39,717</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program increase for technology maturation</td>
<td>(12,300)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weapon systems engineering assessment technology</td>
<td>23,029</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuclear survivability</td>
<td>45,230</td>
<td>4,000</td>
<td>45,230</td>
</tr>
<tr>
<td>Program increase</td>
<td>(4,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enhanced surveillance</td>
<td>45,147</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stockpile Responsiveness</td>
<td>40,000</td>
<td>10,000</td>
<td>40,000</td>
</tr>
<tr>
<td>Program increase</td>
<td>(10,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Engineering</strong></td>
<td>193,123</td>
<td>4,000</td>
<td>22,300</td>
</tr>
</tbody>
</table>

### Inertial confinement fusion ignition and high yield

<table>
<thead>
<tr>
<th>Description</th>
<th>Budget 2018</th>
<th>Budget 2017</th>
<th>Budget Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ignition</td>
<td>79,575</td>
<td>(–3,000)</td>
<td>(–1,643)</td>
</tr>
<tr>
<td>Program decrease</td>
<td>(–3,000)</td>
<td></td>
<td>(–1,643)</td>
</tr>
<tr>
<td>Support of other stockpile programs</td>
<td>23,565</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diagnostics, cryogenics and experimental support</td>
<td>77,915</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pulsed power inertial confinement fusion</td>
<td>7,596</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joint program in high energy density laboratory plasmas</td>
<td>9,492</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Facility operations and target production</td>
<td>334,791</td>
<td>(–3,000)</td>
<td>12,000</td>
</tr>
<tr>
<td>Program decrease</td>
<td>(–3,000)</td>
<td></td>
<td>12,000</td>
</tr>
<tr>
<td>Support increased shot rates</td>
<td>(–12,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Inertial confinement fusion and high yield</strong></td>
<td>532,934</td>
<td>(–6,000)</td>
<td>(–1,643)</td>
</tr>
</tbody>
</table>

### Advanced simulation and computing

<table>
<thead>
<tr>
<th>Description</th>
<th>Budget 2018</th>
<th>Budget 2017</th>
<th>Budget Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced simulation and computing</td>
<td>709,244</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Construction

<table>
<thead>
<tr>
<th>Description</th>
<th>Budget 2018</th>
<th>Budget 2017</th>
<th>Budget Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>18–D–670, Exascale Class Computer Cooling Equipment, LNL</td>
<td>22,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18–D–620, Exascale Computing Facility Modernization Project</td>
<td>3,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td>25,000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Budget 2018</th>
<th>Budget 2017</th>
<th>Budget Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total, Advanced simulation and computing</strong></td>
<td>734,244</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program</td>
<td>FY 2018 Request</td>
<td>House Authorized</td>
<td>Senate Authorized</td>
</tr>
<tr>
<td>-----------------------------------------------------------</td>
<td>-----------------</td>
<td>------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Advanced manufacturing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Additive manufacturing</td>
<td>12,000</td>
<td>12,000</td>
<td></td>
</tr>
<tr>
<td>Program increase for research and infrastructure</td>
<td>[12,000]</td>
<td>(12,000)</td>
<td></td>
</tr>
<tr>
<td>Component manufacturing development</td>
<td>38,644</td>
<td>36,400</td>
<td></td>
</tr>
<tr>
<td>Improve production efficiency</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Processing technology development</td>
<td>29,896</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program increase</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total, Advanced manufacturing</td>
<td>80,540</td>
<td>0</td>
<td>48,400</td>
</tr>
<tr>
<td>Total, RDT&amp;E</td>
<td>2,028,362</td>
<td>–4,000</td>
<td>97,700</td>
</tr>
<tr>
<td>Infrastructure and operations (formerly RTBF)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations of facilities</td>
<td>868,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safety and environmental operations</td>
<td>116,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maintenance and repair of facilities</td>
<td>360,000</td>
<td>35,000</td>
<td>50,000</td>
</tr>
<tr>
<td>Program increase to address high-priority preventative maintenance</td>
<td>[35,000]</td>
<td>[50,000]</td>
<td>[35,000]</td>
</tr>
<tr>
<td>Recapitalization</td>
<td>427,342</td>
<td>115,000</td>
<td>100,000</td>
</tr>
<tr>
<td>Program increase to address high-priority deferred maintenance</td>
<td>[115,000]</td>
<td>[100,000]</td>
<td>[115,000]</td>
</tr>
<tr>
<td>Construction:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18–D–680, Material Staging Facility, PX</td>
<td>0</td>
<td>5,200</td>
<td></td>
</tr>
<tr>
<td>Project initiation</td>
<td>[5,200]</td>
<td>[5,200]</td>
<td></td>
</tr>
<tr>
<td>18–D–660, Fire Station, Y–12</td>
<td>28,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18–D–650, Tritium Production Capability, SRS</td>
<td>6,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17–D–640 U1a Complex Enhancements Project, NNSS</td>
<td>22,100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17–D–630 Expand Electrical Distribution System, LLNL</td>
<td>6,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16–D–515 Albuquerque complex project</td>
<td>98,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15–D–613 Emergency Operations Center, Y–12</td>
<td>7,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Cost</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------</td>
<td>----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>07–D–220 Radioactive liquid waste treatment facility upgrade project, LANL</td>
<td>2,100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>07–D–220-04 Transuranic liquid waste facility, LANL</td>
<td>17,895</td>
<td></td>
<td></td>
</tr>
<tr>
<td>06–D–141 Uranium processing facility Y–12, Oak Ridge, TN</td>
<td>663,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>04–D–125 Chemistry and metallurgy research facility replacement project, LANL</td>
<td>180,900</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td><strong>1,031,795</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Infrastructure and operations</strong></td>
<td><strong>2,803,137</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secure transportation asset</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations and equipment</td>
<td>219,464</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program decrease</td>
<td>–33,896</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program direction</td>
<td>105,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Secure transportation asset</strong></td>
<td><strong>325,064</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defense nuclear security</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations and maintenance</td>
<td>686,977</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Support to physical security infrastructure recapitalization and CSTART</td>
<td>[33,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reduce deferred maintenance backlog</td>
<td>[5,000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17–D–710 West end protected area reduction project, Y–12</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program increase</td>
<td>5,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Defense nuclear security</strong></td>
<td><strong>686,977</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information technology and cybersecurity</td>
<td>186,728</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Legacy contractor pensions</td>
<td>232,050</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Weapons Activities</strong></td>
<td><strong>10,239,344</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Defense Nuclear Nonproliferation**

**Defense Nuclear Nonproliferation Programs**

**Global material security**

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>International nuclear security</td>
<td>46,339</td>
</tr>
<tr>
<td>Enhanced nuclear security</td>
<td>[20,000]</td>
</tr>
</tbody>
</table>
## SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiological security</td>
<td>146,340</td>
<td>20,000</td>
<td>20,000</td>
<td>166,340</td>
<td></td>
</tr>
<tr>
<td>Protection and safe disposal of radioactive sources</td>
<td></td>
<td>(20,000)</td>
<td>(20,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuclear smuggling detection</td>
<td>144,429</td>
<td>-5,000</td>
<td>60,000</td>
<td>-5,000</td>
<td>139,429</td>
</tr>
<tr>
<td>Program decrease</td>
<td></td>
<td>(-5,000)</td>
<td></td>
<td></td>
<td>(-5,000)</td>
</tr>
<tr>
<td>Radiation detection</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(60,000)</td>
</tr>
<tr>
<td>Total, Global material security</td>
<td>337,108</td>
<td>-5,000</td>
<td>100,000</td>
<td>15,000</td>
<td>352,108</td>
</tr>
<tr>
<td>Material management and minimization</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEU reactor conversion</td>
<td>125,500</td>
<td></td>
<td></td>
<td></td>
<td>125,500</td>
</tr>
<tr>
<td>Nuclear material removal</td>
<td>32,925</td>
<td></td>
<td></td>
<td></td>
<td>32,925</td>
</tr>
<tr>
<td>Acceleration of priority programs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[5,000]</td>
</tr>
<tr>
<td>Material disposition</td>
<td>173,669</td>
<td></td>
<td></td>
<td></td>
<td>173,669</td>
</tr>
<tr>
<td>Total, Material management &amp; minimization</td>
<td>332,094</td>
<td>5,000</td>
<td>0</td>
<td>0</td>
<td>332,094</td>
</tr>
<tr>
<td>Nonproliferation and arms control</td>
<td>129,703</td>
<td></td>
<td>70,297</td>
<td>129,703</td>
<td></td>
</tr>
<tr>
<td>Verification</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(70,297)</td>
</tr>
<tr>
<td>Defense nuclear nonproliferation R&amp;D</td>
<td>446,095</td>
<td>5,000</td>
<td>5,000</td>
<td>451,095</td>
<td></td>
</tr>
<tr>
<td>Acceleration of low-yield detection experiments and 3D printing efforts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonproliferation Construction:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18–D–150 Surplus Plutonium Disposition Project</td>
<td>9,000</td>
<td></td>
<td></td>
<td></td>
<td>9,000</td>
</tr>
<tr>
<td>99–D–143 Mixed Oxide (MIX) Fuel Fabrication Facility, SRS</td>
<td>270,000</td>
<td>70,000</td>
<td>80,000</td>
<td>70,000</td>
<td>340,000</td>
</tr>
<tr>
<td>Program increase</td>
<td></td>
<td>(70,000)</td>
<td>(80,000)</td>
<td>(70,000)</td>
<td></td>
</tr>
<tr>
<td>Total, Nonproliferation construction</td>
<td>279,000</td>
<td>70,000</td>
<td>80,000</td>
<td>70,000</td>
<td>349,000</td>
</tr>
<tr>
<td>Total, Defense Nuclear Nonproliferation Programs</td>
<td>1,524,000</td>
<td>75,000</td>
<td>250,297</td>
<td>90,000</td>
<td>1,614,000</td>
</tr>
<tr>
<td>Low Enriched Uranium R&amp;D for Naval Reactors</td>
<td>0</td>
<td>5,000</td>
<td></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Category</td>
<td>Amount</td>
<td>Amount</td>
<td>Amount</td>
<td>Total</td>
<td></td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>--------------</td>
<td>--------------</td>
<td>--------------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>Direct support to low-enriched uranium R&amp;D for Naval Reactors</td>
<td></td>
<td></td>
<td></td>
<td>[5,000]</td>
<td></td>
</tr>
<tr>
<td>Legacy contractor pensions</td>
<td>40,950</td>
<td></td>
<td></td>
<td>40,950</td>
<td></td>
</tr>
<tr>
<td>Nuclear counterterrorism and incident response program</td>
<td>277,360</td>
<td></td>
<td></td>
<td>277,360</td>
<td></td>
</tr>
<tr>
<td>Rescission of prior year balances</td>
<td>–49,000</td>
<td></td>
<td></td>
<td>–49,000</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Defense Nuclear Nonproliferation</strong></td>
<td><strong>1,793,310</strong></td>
<td><strong>80,000</strong></td>
<td><strong>250,297</strong></td>
<td><strong>1,883,310</strong></td>
<td></td>
</tr>
<tr>
<td>Naval Reactors</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naval reactors development</td>
<td>473,267</td>
<td></td>
<td></td>
<td>473,267</td>
<td></td>
</tr>
<tr>
<td>Columbia-Class reactor systems development</td>
<td>156,700</td>
<td></td>
<td></td>
<td>156,700</td>
<td></td>
</tr>
<tr>
<td>S8G Prototype refueling</td>
<td>190,000</td>
<td></td>
<td></td>
<td>190,000</td>
<td></td>
</tr>
<tr>
<td>Naval reactors operations and infrastructure</td>
<td>466,884</td>
<td></td>
<td></td>
<td>466,884</td>
<td></td>
</tr>
<tr>
<td>Reduce deferred maintenance backlog</td>
<td>[38,000]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15–D–904 NRF Overpack Storage Expansion 3</td>
<td>13,700</td>
<td></td>
<td></td>
<td>13,700</td>
<td></td>
</tr>
<tr>
<td>15–D–903 KL Fire System Upgrade</td>
<td>15,000</td>
<td></td>
<td></td>
<td>15,000</td>
<td></td>
</tr>
<tr>
<td>14–D–901 Spent fuel handling recapitalization project, NRF</td>
<td>116,000</td>
<td></td>
<td></td>
<td>116,000</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td><strong>144,700</strong></td>
<td></td>
<td></td>
<td><strong>144,700</strong></td>
<td></td>
</tr>
<tr>
<td>Program direction</td>
<td>48,200</td>
<td></td>
<td></td>
<td>–1,549</td>
<td></td>
</tr>
<tr>
<td>Program decrease</td>
<td>[–1,549]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Naval Reactors</strong></td>
<td><strong>1,479,751</strong></td>
<td><strong>38,000</strong></td>
<td></td>
<td><strong>1,431,551</strong></td>
<td></td>
</tr>
<tr>
<td>Federal Salaries And Expenses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program direction</td>
<td>418,595</td>
<td>–11,000</td>
<td></td>
<td>407,595</td>
<td></td>
</tr>
<tr>
<td>Program decrease to support maximum of 1,690 employees</td>
<td>[–11,000]</td>
<td></td>
<td></td>
<td>[–11,000]</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Office Of The Administrator</strong></td>
<td><strong>418,595</strong></td>
<td><strong>–11,000</strong></td>
<td></td>
<td><strong>407,595</strong></td>
<td></td>
</tr>
<tr>
<td>Defense Environmental Cleanup</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closure sites:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closure sites administration</td>
<td>4,889</td>
<td>4,889</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hanford site:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>River corridor and other cleanup operations</td>
<td>58,692</td>
<td>35,000</td>
<td>93,692</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acceleration of priority programs</td>
<td>35,000</td>
<td>35,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Central plateau remediation</td>
<td>637,879</td>
<td>8,000</td>
<td>629,250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acceleration of priority programs</td>
<td>8,000</td>
<td>4,371</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Richland community and regulatory support</td>
<td>5,121</td>
<td>5,121</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18–D–404 WESF Modifications and Capsule Storage</td>
<td>6,500</td>
<td>6,500</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15–D–401 Containerized sludge removal annex, RL</td>
<td>8,000</td>
<td>8,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td>14,500</td>
<td>0</td>
<td>0</td>
<td>14,500</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Hanford site</strong></td>
<td>716,192</td>
<td>43,000</td>
<td>0</td>
<td>39,371</td>
<td>755,563</td>
</tr>
<tr>
<td><strong>Idaho National Laboratory:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SNF stabilization and disposition—2012</td>
<td>19,975</td>
<td>19,975</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solid waste stabilization and disposition</td>
<td>170,101</td>
<td>170,101</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radioactive liquid tank waste stabilization and disposition</td>
<td>111,352</td>
<td>111,352</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Soil and water remediation—2035</td>
<td>44,727</td>
<td>44,727</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Idaho community and regulatory support</td>
<td>4,071</td>
<td>4,071</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, Idaho National Laboratory</strong></td>
<td>350,226</td>
<td>0</td>
<td>0</td>
<td>350,226</td>
<td></td>
</tr>
<tr>
<td><strong>NNSA sites:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lawrence Livermore National Laboratory</td>
<td>1,175</td>
<td>1,175</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Separations Process Research Unit</td>
<td>1,800</td>
<td>1,800</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nevada</td>
<td>60,136</td>
<td>60,136</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sandia National Laboratories</td>
<td>2,600</td>
<td>2,600</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total, NNSA sites</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Total, NNSA sites and Nevada off-sites</td>
<td>191,629</td>
<td>0</td>
<td>0</td>
<td>257,340</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------------------------------</td>
<td>---------</td>
<td>---</td>
<td>---</td>
<td>---------</td>
</tr>
<tr>
<td><strong>Los Alamos National Laboratory</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Oak Ridge Reservation:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OR Nuclear facility D &amp; D</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR-0041—D&amp;D - Y–12</td>
<td></td>
<td>29,369</td>
<td>0</td>
<td>0</td>
<td>29,369</td>
</tr>
<tr>
<td>OR-0042—D&amp;D -ORNL</td>
<td></td>
<td>48,110</td>
<td>0</td>
<td>0</td>
<td>48,110</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17–D–401 On-site waste disposal facility</td>
<td></td>
<td>5,000</td>
<td>0</td>
<td>0</td>
<td>5,000</td>
</tr>
<tr>
<td>14–D–403 Outfall 200 Mercury Treatment facility</td>
<td></td>
<td>17,100</td>
<td>0</td>
<td>0</td>
<td>17,100</td>
</tr>
<tr>
<td><strong>Total, OR Nuclear facility D &amp; D</strong></td>
<td></td>
<td>99,579</td>
<td>0</td>
<td>0</td>
<td>99,579</td>
</tr>
<tr>
<td><strong>U233 Disposition Program</strong></td>
<td></td>
<td>33,784</td>
<td>0</td>
<td>0</td>
<td>33,784</td>
</tr>
<tr>
<td>OR cleanup and disposition</td>
<td></td>
<td>66,632</td>
<td>0</td>
<td>0</td>
<td>66,632</td>
</tr>
<tr>
<td>OR reservation community and regulatory support</td>
<td></td>
<td>4,605</td>
<td>0</td>
<td>0</td>
<td>4,605</td>
</tr>
<tr>
<td>OR Solid waste stabilization and disposition technology development</td>
<td></td>
<td>3,000</td>
<td>0</td>
<td>0</td>
<td>3,000</td>
</tr>
<tr>
<td><strong>Total, Oak Ridge Reservation</strong></td>
<td></td>
<td>207,600</td>
<td>0</td>
<td>0</td>
<td>207,600</td>
</tr>
<tr>
<td><strong>Office of River Protection:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waste treatment and immobilization plant</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>01–D–416 A-D WTP Subprojects A-D</td>
<td></td>
<td>655,000</td>
<td>0</td>
<td>0</td>
<td>655,000</td>
</tr>
<tr>
<td>01–D–416 E—Pretreatment Facility</td>
<td></td>
<td>35,000</td>
<td>0</td>
<td>0</td>
<td>35,000</td>
</tr>
<tr>
<td><strong>Total, 01–D–416 Construction</strong></td>
<td></td>
<td>690,000</td>
<td>0</td>
<td>0</td>
<td>690,000</td>
</tr>
<tr>
<td>WTP Commissioning</td>
<td></td>
<td>8,000</td>
<td>0</td>
<td>0</td>
<td>8,000</td>
</tr>
<tr>
<td><strong>Total, Waste treatment and immobilization plant</strong></td>
<td></td>
<td>698,000</td>
<td>0</td>
<td>0</td>
<td>698,000</td>
</tr>
<tr>
<td><strong>Tank farm activities</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rad liquid tank waste stabilization and disposition</td>
<td></td>
<td>713,311</td>
<td>0</td>
<td>0</td>
<td>713,311</td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15–D–409 Low activity waste pretreatment system, ORP</td>
<td></td>
<td>93,000</td>
<td>0</td>
<td>0</td>
<td>93,000</td>
</tr>
</tbody>
</table>
 SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, Tank farm activities</td>
<td>806,311</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>806,311</td>
</tr>
<tr>
<td>Total, Office of River protection</td>
<td>1,504,311</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,504,311</td>
</tr>
</tbody>
</table>

Savannah River Sites:

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuclear Material Management</td>
<td>323,482</td>
<td>27,000</td>
<td>27,000</td>
<td>350,482</td>
<td></td>
</tr>
<tr>
<td>Acceleration of priority programs</td>
<td>[27,000]</td>
<td>[27,000]</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Environmental Cleanup

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Cleanup</td>
<td>159,478</td>
<td>159,478</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction:</td>
<td>08–D–402, Emergency Operations Center</td>
<td>500</td>
<td>500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total, Environmental Cleanup</td>
<td>159,978</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>159,978</td>
</tr>
</tbody>
</table>

SR community and regulatory support | 11,249 | 11,249 |

Radioactive liquid tank waste:

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radioactive liquid tank waste stabilization and disposition</td>
<td>597,258</td>
<td>597,258</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction:</td>
<td>18–D–401, SDU #8/9</td>
<td>500</td>
<td>500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17–D–402—Saltstone Disposal Unit #7</td>
<td>40,000</td>
<td>40,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05–D–405 Salt waste processing facility, Savannah River Site</td>
<td>150,000</td>
<td>150,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total, Construction</td>
<td>190,500</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>190,500</td>
</tr>
</tbody>
</table>

Total, Radioactive liquid tank waste | 787,758 | 0 | 0 | 0 | 787,758 |

Total, Savannah River site | 1,282,467 | 27,000 | 0 | 27,000 | 1,309,467 |

Waste Isolation Pilot Plant

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operations and maintenance</td>
<td>206,617</td>
<td>206,617</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Activity</td>
<td>Budget 2016</td>
<td>Budget 2017</td>
<td>Budget 2018</td>
<td>Change</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>-------------</td>
<td>-------------</td>
<td>-------------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>Central characterization project</td>
<td>22,500</td>
<td>22,500</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Transportation</td>
<td>21,854</td>
<td>21,854</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td><strong>Construction:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15-D-411 Safety significant confinement ventilation system, WIPP</td>
<td>46,000</td>
<td>46,000</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>15-D-412 Exhaust shaft, WIPP</td>
<td>19,600</td>
<td>19,600</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Construction</strong></td>
<td>65,600</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Waste Isolation Pilot Plant</strong></td>
<td>316,571</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Program direction</td>
<td>300,000</td>
<td>300,000</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Program support</td>
<td>6,979</td>
<td>6,979</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>WCF Mission Related Activities</td>
<td>22,109</td>
<td>–20,109</td>
<td>2,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Program decrease</strong></td>
<td>–20,109</td>
<td></td>
<td></td>
<td>–20,109</td>
<td></td>
</tr>
<tr>
<td>Minority Serving Institution Partnership</td>
<td>6,000</td>
<td>6,000</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td><strong>Safeguards and Security</strong></td>
<td>269,160</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Oak Ridge Reservation</td>
<td>16,500</td>
<td>16,500</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Paducah</td>
<td>14,049</td>
<td>14,049</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Portsmouth</td>
<td>12,713</td>
<td>12,713</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Richland/Hanford Site</td>
<td>75,600</td>
<td>75,600</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Savannah River Site</td>
<td>142,314</td>
<td>142,314</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Waste Isolation Project Pilot Project</td>
<td>5,200</td>
<td>5,200</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>West Valley</td>
<td>2,784</td>
<td>2,784</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Safeguards and Security</strong></td>
<td>269,160</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Cyber Security</td>
<td>43,342</td>
<td>–43,342</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Program decrease</strong></td>
<td>–43,342</td>
<td></td>
<td></td>
<td>–43,342</td>
<td></td>
</tr>
<tr>
<td>Technology development</td>
<td>25,000</td>
<td>25,000</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>HQEF-0040—Excess Facilities</td>
<td>225,000</td>
<td>–100,000</td>
<td>125,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Program decrease</strong></td>
<td>–100,000</td>
<td></td>
<td></td>
<td>–100,000</td>
<td></td>
</tr>
<tr>
<td><strong>Total, Defense Environmental Cleanup</strong></td>
<td>5,537,186</td>
<td>70,000</td>
<td>–97,080</td>
<td>5,440,106</td>
<td></td>
</tr>
</tbody>
</table>

**Other Defense Activities**

**Environment, health, safety and security**
### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2018 Request</th>
<th>House Authorized</th>
<th>Senate Authorized</th>
<th>Conference Change</th>
<th>Conference Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment, health, safety and security</td>
<td>130,693</td>
<td>–1,747</td>
<td>128,946</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program decrease</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program direction</td>
<td>68,765</td>
<td>–765</td>
<td>68,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program decrease</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total, Environment, Health, safety and security</td>
<td>199,458</td>
<td>0</td>
<td>0</td>
<td>–2,512</td>
<td>196,946</td>
</tr>
<tr>
<td>Independent enterprise assessments</td>
<td>24,068</td>
<td>24,068</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program direction</td>
<td>50,863</td>
<td>50,863</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total, Independent enterprise assessments</td>
<td>74,931</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>74,931</td>
</tr>
<tr>
<td>Specialized security activities</td>
<td>237,912</td>
<td>3,000</td>
<td>3,000</td>
<td>240,912</td>
<td></td>
</tr>
<tr>
<td>Classified topic</td>
<td>[3,000]</td>
<td>[3,000]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Office of Legacy Management</td>
<td>137,674</td>
<td>137,674</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program direction</td>
<td>16,932</td>
<td>16,932</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total, Office of Legacy Management</td>
<td>154,606</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>154,606</td>
</tr>
<tr>
<td>Defense-related activities</td>
<td>143,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>139,927</td>
</tr>
<tr>
<td>Office of hearings and appeals</td>
<td>5,605</td>
<td>5,605</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Category</td>
<td>Amount 1</td>
<td>Amount 2</td>
<td>Amount 3</td>
<td>Amount 4</td>
<td>Amount 5</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td>Subtotal, Other defense activities</td>
<td>815,512</td>
<td>3,000</td>
<td>0</td>
<td>488</td>
<td>816,000</td>
</tr>
<tr>
<td>Total, Other Defense Activities</td>
<td>815,512</td>
<td>3,000</td>
<td>0</td>
<td>488</td>
<td>816,000</td>
</tr>
<tr>
<td>Defense Nuclear Waste Disposal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yucca mountain and interim storage</td>
<td>30,000</td>
<td></td>
<td></td>
<td></td>
<td>30,000</td>
</tr>
<tr>
<td>Total, Defense Nuclear Waste Disposal</td>
<td>30,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>30,000</td>
</tr>
</tbody>
</table>
Overseas contingency operations for base requirements

The House bill contained four provisions relating to overseas contingency operations for base requirements. Those are procurement for overseas contingency operations for base requirements (sec. 4103), research, development, test, and evaluation for overseas contingency operations for base requirements (sec. 4203), operation and maintenance for overseas contingency operations for base requirements (sec. 4303), and military personnel for overseas contingency operations for base requirements (sec. 4403).

The Senate amendment contained no similar provision.

The House recedes.
<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Armed Services, for consideration of the House bill and the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Thornberry</td>
<td></td>
</tr>
<tr>
<td>Mr. Wilson of South Carolina</td>
<td></td>
</tr>
<tr>
<td>Mr. LoBiondo</td>
<td></td>
</tr>
<tr>
<td>Mr. Bishop of Utah</td>
<td></td>
</tr>
<tr>
<td>Mr. Turner</td>
<td></td>
</tr>
<tr>
<td>Mr. Rogers of Alabama</td>
<td></td>
</tr>
<tr>
<td>Mr. Franks of Arizona</td>
<td></td>
</tr>
</tbody>
</table>
### H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bill Shuster</td>
<td></td>
</tr>
<tr>
<td>Mr. Shuster</td>
<td></td>
</tr>
<tr>
<td>K.众</td>
<td></td>
</tr>
<tr>
<td>Mr. Conaway</td>
<td></td>
</tr>
<tr>
<td>Doug Lamborn</td>
<td></td>
</tr>
<tr>
<td>Mr. Lamborn</td>
<td></td>
</tr>
<tr>
<td>Rob Wittman</td>
<td></td>
</tr>
<tr>
<td>Mr. Wittman</td>
<td></td>
</tr>
<tr>
<td>Mike Coffman</td>
<td></td>
</tr>
<tr>
<td>Mr. Coffman</td>
<td></td>
</tr>
<tr>
<td>Vicky Hartzler</td>
<td></td>
</tr>
<tr>
<td>Mrs. Hartzler</td>
<td></td>
</tr>
<tr>
<td>Austin Scott</td>
<td></td>
</tr>
<tr>
<td>Mr. Austin Scott of Georgia</td>
<td></td>
</tr>
<tr>
<td>Brad Cook</td>
<td></td>
</tr>
<tr>
<td>Mr. Cook</td>
<td></td>
</tr>
<tr>
<td>Managers on the part of the HOUSE</td>
<td>Managers on the part of the SENATE</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>Ms. Stefanik</td>
<td></td>
</tr>
<tr>
<td>Mr. Knight</td>
<td></td>
</tr>
<tr>
<td>Mr. Bacon</td>
<td></td>
</tr>
<tr>
<td>Managers on the part of the HOUSE</td>
<td>Managers on the part of the SENATE</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Mr. Smith of Washington</td>
<td></td>
</tr>
<tr>
<td>Mr. Brady of Pennsylvania</td>
<td></td>
</tr>
<tr>
<td>Mrs. Davis of California</td>
<td></td>
</tr>
<tr>
<td>Mr. Langevin</td>
<td></td>
</tr>
<tr>
<td>Mr. Larsen of Washington</td>
<td></td>
</tr>
<tr>
<td>Mr. Cooper</td>
<td></td>
</tr>
<tr>
<td>Ms. Bordallo</td>
<td></td>
</tr>
<tr>
<td>Mr. Courtney</td>
<td></td>
</tr>
</tbody>
</table>
### H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Tsongas</td>
<td></td>
</tr>
<tr>
<td>Mr. Garamendi</td>
<td></td>
</tr>
<tr>
<td>Mr. Veasey</td>
<td></td>
</tr>
<tr>
<td>Ms. Gabbard</td>
<td></td>
</tr>
</tbody>
</table>
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Permanent Select Committee on Intelligence, for consideration of matters within the jurisdiction of that committee under clause 11 of rule X:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>[Signature]</td>
<td>[Signature]</td>
</tr>
<tr>
<td>Mr. Nunes</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>[Signature]</td>
<td></td>
</tr>
<tr>
<td>Mr. Stewart</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on the Budget, for consideration of sec. 1262 of the House bill, and sec. 4 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
</tbody>
</table>

- **Bill Johnson**
  - Mr. Johnson of Ohio

- **Jack Bergman**
  - Mr. Bergman
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Education and the Workforce, for consideration of secs. 221, 551, 555, and 3509 of the House bill, and secs. 236, 551-53, 3116, 5508, and 6001 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Ms. Foxx</td>
<td></td>
</tr>
<tr>
<td>Mr. Byrne</td>
<td></td>
</tr>
<tr>
<td>Mr. Scott of Virginia</td>
<td></td>
</tr>
</tbody>
</table>
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Energy and Commerce, for consideration of secs. 313, 314, 601, 723, 727, 729, 732, 3118, and 3122 of the House bill, and secs. 601, 701, 725, 732, 1080A, 1625, and 3114 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
</tbody>
</table>

Mr. Shrinke

Mr. Burton

Mr. Fallone
**H.R. 2810—Continued**

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Financial Services, for consideration of sec. 862 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Andy Barr</td>
<td></td>
</tr>
<tr>
<td>Mr. Barr</td>
<td></td>
</tr>
<tr>
<td>Roger Williams</td>
<td></td>
</tr>
<tr>
<td>Mr. Williams</td>
<td></td>
</tr>
</tbody>
</table>
**H.R. 2810—Continued**

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Foreign Affairs, for consideration of secs. 86c, 1032, 1039, 1040, 1058, 1201, 1203-05, 1211, 1222, 1223, 1231, 1232, 1234, 1243, 1246, 1247, 1265, 1270A, 1272, 1276, 1278, 1280, 1301, 1502, 1521, 1522, 1687, 2841, and 3117 of the House bill, and secs. 111, 861, 867, 1011, 1203-05, 1212, 1213, 1231-33, 1241-45, 1250, 1261-63, 1270B, 1270C, 1282, 1283, 1301, 1302, 1351, and 1651 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mr. Royce of California</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Mr. Donovan</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Mr. Engel</th>
</tr>
</thead>
</table>
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on the Judiciary, for consideration of secs. 515, 1062, 1063, 1067, 1080, 1695, 2843, and 3510 of the House bill, and secs. 520A, 529, 1085, 1081, 1083, 1217, 1264, and 14013 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Goodlatte</td>
<td></td>
</tr>
<tr>
<td>Mr. Issa</td>
<td></td>
</tr>
</tbody>
</table>

[Signatures]
<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Natural Resources, for consideration of secs. 601, 1062, 1265, 2827, 2828, 2831, 2832, 2844, subtitle F of title XXVIII, and sec. 2863 of the House bill, and secs. 311, 338, 601, 1263, 1264, 2850, and 12801 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
</tbody>
</table>

**Bruce Westerman**

Mr. Westerman

**Elizabeth Cheney**

Ms. Cheney
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Oversight and Government Reform, for consideration of secs. 323, 501, 801, 803, 859-860A, 873, and 1101-09 of the House bill, and accs. 218, 514, 557, 801, 812, 821, 822, 829, 952, 902, 931, 934, 938, 1045, 1093, 1094, 1101, 1102, 1104-06, 1111-13, 2121, 2222, 6005, 6012, 10084, 11023-25, and 11603 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Meadows</td>
<td></td>
</tr>
<tr>
<td>Mr. Ross</td>
<td></td>
</tr>
</tbody>
</table>
**H.R. 2810—Continued**

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Science, Space, and Technology, for consideration of sec. 223 of the House bill and secs. 897, 888, 1662-64, and 6002 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Smith of Texas</td>
<td></td>
</tr>
<tr>
<td>Mr. Toomey</td>
<td></td>
</tr>
<tr>
<td>Mr. Bono</td>
<td></td>
</tr>
</tbody>
</table>
### H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Small Business, for consideration of secs. 801, 860B, 867, 1701-04, 1711-13, 1721-23, 1731-37, and 1741 of the House bill, and secs. 854, 862, 897, 998, 999C, 10801, and 10802 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mr. Chabot</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Mr. Kelly of Mississippi</th>
</tr>
</thead>
</table>
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Transportation and Infrastructure, for consideration of secs 122, 311, 546, 601, 1082, 1617, 1695, 3501, 3502, 3505, and 3507-10 of the House bill, and secs. 331, 601, 1048, 6002, 13501, 13502, 13508, 13513, 13607, and 14013 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
</tbody>
</table>

Mr. Graves of Missouri

Mr. Hunter

Mrs. Bustos
H.R. 2810—Continued

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Veterans’ Affairs, for consideration of secs. 572, 573, 576, 578, 1077, and 2841 of the House bill, and secs. 731, 1084, 1088, 1264, 11001, 11008, and 14004 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Roe of Tennessee</td>
<td></td>
</tr>
<tr>
<td>Mr. Bilirakis</td>
<td></td>
</tr>
<tr>
<td>Mr. Walz</td>
<td></td>
</tr>
</tbody>
</table>
**H.R. 2810—Continued**

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>From the Committee on Ways and Means, for consideration of sec. 701 of the Senate amendment, and modifications committed to conference:</td>
<td></td>
</tr>
<tr>
<td>Mr. Tiberi</td>
<td></td>
</tr>
<tr>
<td>Mrs. Walorski</td>
<td></td>
</tr>
<tr>
<td>Mr. Neal</td>
<td></td>
</tr>
<tr>
<td>Managers on the part of the HOUSE</td>
<td>Managers on the part of the SENATE</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Mr. McCain</td>
<td>John McCain</td>
</tr>
<tr>
<td>Mr. Inhofe</td>
<td>James Inhofe</td>
</tr>
<tr>
<td>Mr. Wicker</td>
<td>John Wicker</td>
</tr>
<tr>
<td>Mrs. Fischer</td>
<td>Deb Fischer</td>
</tr>
<tr>
<td>Mr. Cotton</td>
<td>Tom Cotton</td>
</tr>
<tr>
<td>Mr. Rounds</td>
<td>Michael Rounds</td>
</tr>
<tr>
<td>Mrs. Ernst</td>
<td>Joni K. Ernst</td>
</tr>
<tr>
<td>Mr. Tillis</td>
<td>Thom Tillis</td>
</tr>
<tr>
<td>Managers on the part of the HOUSE</td>
<td>Managers on the part of the SENATE</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td></td>
<td>[Signature] Mr. Sullivan</td>
</tr>
<tr>
<td></td>
<td>[Signature] Mr. Perdue</td>
</tr>
<tr>
<td></td>
<td>[Signature] Mr. Cruz</td>
</tr>
<tr>
<td></td>
<td>[Signature] Mr. Graham</td>
</tr>
<tr>
<td></td>
<td>[Signature] Mr. Sasse</td>
</tr>
<tr>
<td></td>
<td>[Signature] Mr. Strange</td>
</tr>
<tr>
<td></td>
<td>[Signature] Mr. Reed</td>
</tr>
<tr>
<td></td>
<td>[Signature] Mr. Nelson</td>
</tr>
</tbody>
</table>
**H.R. 2810—Continued**

<table>
<thead>
<tr>
<th>Managers on the part of the HOUSE</th>
<th>Managers on the part of the SENATE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mrs. McCaskill</td>
</tr>
<tr>
<td></td>
<td>Mrs. Shaheen</td>
</tr>
<tr>
<td></td>
<td>Mr. Blumenthal</td>
</tr>
<tr>
<td></td>
<td>Mr. Donnelly</td>
</tr>
<tr>
<td></td>
<td>Ms. Hirono</td>
</tr>
<tr>
<td></td>
<td>Mr. Kaine</td>
</tr>
<tr>
<td></td>
<td>Mr. King</td>
</tr>
<tr>
<td>Managers on the part of the HOUSE</td>
<td>Managers on the part of the SENATE</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td></td>
<td>Mr. Heinrich</td>
</tr>
<tr>
<td></td>
<td>Ms. Warren</td>
</tr>
<tr>
<td></td>
<td>Mr. Peters</td>
</tr>
</tbody>
</table>