

**H.R. 2500—FY20 NATIONAL DEFENSE
AUTHORIZATION BILL**

CHAIRMAN’S MARK

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SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

Section 101—Authorization of Appropriations

This section would authorize appropriations for procurement at the levels identified in section 4101 of division D of this Act.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

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SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

Section 201—Authorization of Appropriations

This section would authorize appropriations for research, development, test, and evaluation at the levels identified in section 4201 of division D of this Act.

TITLE III—OPERATION AND MAINTENANCE

LEGISLATIVE PROVISIONS

SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

Section 301—Authorization of Appropriations

This section would authorize appropriations for operation and maintenance activities at the levels identified in section 4301 of division D of this Act.

SUBTITLE E—OTHER MATTERS

Section 344—Extension of Authority of Secretary of Transportation to Issue Non-Premium Aviation Insurance

This section would amend section 44310 of title 49, United States Code, to extend the authority of the Secretary of Transportation to issue non-premium aviation insurance until September 30, 2023.

TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS

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SUBTITLE C—AUTHORIZATION OF APPROPRIATIONS

Section 421—Military Personnel

This section would authorize appropriations for military personnel at the levels identified in the funding table in section 4401 of division D of this Act.

TITLE V—MILITARY PERSONNEL POLICY

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SUBTITLE C—GENERAL SERVICE AUTHORITIES AND CORRECTION OF MILITARY RECORDS

Section 521—Establishment of Board of Appeals regarding Denied Requests for Upgraded Discharges and Dismissals

This section would require the Secretary of Defense to establish a board of discharge appeals to hear appeals of request for upgraded discharges and dismissals that are denied by the service review agencies. This section would also require the Secretary to submit a report not later than April 1, 2021, on data based on the appeals heard by the board, and to publish the information online annually beginning on October 1, 2022.

SUBTITLE H—MILITARY FAMILY READINESS AND DEPENDENTS' EDUCATION

Section 573—Continued Assistance to Schools with Significant Numbers of Military Dependent Students

This section would authorize \$40.0 million for the purpose of providing assistance to local educational agencies with military dependent students, and \$10.0 million for local educational agencies eligible to receive a payment for children with severe disabilities.

TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS

LEGISLATIVE PROVISIONS

SUBTITLE C—FAMILY AND SURVIVOR BENEFITS

Section 624—Consideration of Service on Active Duty to Reduce Age of Eligibility for Retired Pay for Non-Regular Service

This section would amend section 12731(f)(2)(B)(i) of title 10, United States Code, to authorize credit for a service member who as a member of the Ready Reserve serves on Active Duty or performs Active service under section 12304(b) of title 10, United States Code. The eligibility age will be reduced below 60 years of age by 3 months for each aggregate of 90 days on which such person serves on such Active Duty or performs such Active service in any fiscal year after January 28, 2008, or in any two consecutive fiscal years after September 30, 2014.

TITLE VII—HEALTH CARE PROVISIONS

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SUBTITLE A—TRICARE AND OTHER HEALTH CARE BENEFITS

Section 701—Contraception Coverage Parity under the TRICARE Program

This section would amend section 1074d of title 10, United States Code, to allow members and former members of the uniformed services access to care related to the prevention of pregnancy with no cost sharing.

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

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SUBTITLE A—ACQUISITION POLICY AND MANAGEMENT

Section 801—Establishment of Acquisition Pathways for Software Applications and Software Upgrades

This section would direct the Secretary of Defense to establish a new software acquisition pathway to procure, develop, deploy, and continuously improve software for applications in the Department of Defense. It would utilize innovation ecosystems already in existence inside the Department. This section would require a report on the implementation not later than 180 days after the date of the enactment of this Act.

The committee notes that the security of the United States increasingly relies on software to execute missions, integrate and collaborate with allies, and manage the defense enterprise. The ability to develop, procure, assure, deploy, and continuously improve software is thus central to national defense. Software should

enable a more effective joint force, strengthen our ability to work with allies, and improve the business processes of the Department enterprise.

Section 802—Software Development and Software Acquisition Training and Management Programs

This section would direct the Secretary of Defense to implement software development and acquisition training and management programs for all software acquisition professionals, developers, and associated functions to provide software practitioners access to modern engagement and collaboration platforms to connect, share their skills and knowledge, and develop solutions leveraging the full defense enterprise.

The committee recognizes that the Department of Defense requires a workforce capable of acquiring, building, and delivering software and technology in real time. As threats and demands emerge, providing a strong training and management program ensures the Department has talented and skilled leaders at the helm. The committee is aware there is no comprehensive training or development program that prepares the software acquisition and technical workforce managers to adequately support and lead teams to deploy modern development tools and methodologies for continuous capability development and deployment within the Department's dynamic environments. The committee encourages the Secretary of Defense to partner with institutions of higher education or private sector organizations, to the extent practicable, to incorporate existing training and management programs that are helpful in the software realm.

Section 803—Supply Chain Security of Certain Telecommunications and Video Surveillance Services or Equipment

This section would require the Secretary of Defense to conduct a comprehensive assessment of Department of Defense policies relating to telecommunications and video surveillance services and equipment from foreign contractors and subcontractors, and identify means to mitigate threats through the debarment and suspension process. This section would also require the Secretary of Defense to write regulations and internal Department policies and expectations for contractor cooperation based on findings of the assessment, not later than 180 days after the date of the enactment of this Act. This section would strengthen the detection, avoidance, notification, and remediation of suspect covered equipment and services in the Department's supply chain.

Section 806—Repeal of Continuation of Data Rights during Challenges

This section would repeal section 866 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232). Section 866 provided authority, in addition to existing authority, for the government to use non-

commercial technical data during a period of challenge in an agency Board of Contract Appeals or the U.S. Court of Federal Claims under certain circumstances.

Section 807—Repeal of Authority to Waive Acquisition Laws to Acquire Vital National Security Capabilities

This section would repeal section 806 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), which allowed the Secretary of Defense to waive any provision of acquisition law or regulation in certain circumstances.

Section 808—Repeal of Transfer of Funds Related to Cost Overruns and Cost Underruns

This section would repeal an annual requirement for the Secretary of each military department to pay a penalty for cost overruns on covered major defense acquisition programs of the military department. Under the requirement, the Secretary of each military department was required to reduce research, development, test and evaluation, or procurement accounts up to \$50.0 million at each military department every fiscal year. The funds were then credited to the Rapid Prototyping Fund established pursuant to section 804 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92).

SUBTITLE B—AMENDMENTS TO GENERAL CONTRACTING AUTHORITIES, PROCEDURES, AND LIMITATIONS

Section 810—Modifications to the Middle Tier of Acquisition Programs

This section would amend section 804 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) by directing the Secretary of Defense to develop a process to provide the Director of Operational Test and Evaluation, the Director of Cost Assessment and Program Evaluation, and the Under Secretary of Defense for Research and Engineering access to all technical data, records, and information necessary to evaluate the technical maturity of acquisitions carried out under the rapid prototyping and rapid fielding authority. This section would also clarify that no program under this authority shall be the same size or exceed the dollar value of a major defense acquisition program, unless a waiver is granted from the Secretary of Defense.

Section 811—Rates for Progress Payments or Performance-Based Payments

This section would require the Secretary of Defense to provide congressional defense committees with a notice of determination and to notify the public through the Federal Register before initiating changes to contract finance rates for progress payments or performance-based payments. This section would

also require that the Secretary of Defense not use rates that are lower than the rates provided by the Secretaries of the Federal agencies listed in section 2302 of title 10, United States Code.

Section 812—Additional Requirements for Negotiations for Noncommercial Computer Software

This section would amend section 2322a of title 10, United States Code, and codify existing Defense Federal Acquisition Regulations on noncommercial software rights as well as mandate, to the maximum extent practicable, that specially negotiated licenses be used for weapon systems noncommercial software.

Section 813—Responsibility for Data Analysis and Requirements Validation for Services Contracts

This section would amend section 2329 of title 10, United States Code, to specify that the Secretary of Defense act through the Under Secretary of Defense (Comptroller) and Director of Cost Assessment and Program Evaluation to collect data and information annually on the amount contracted for services procured by the Department of Defense, which would be included in the Future Years Defense Program submitted to Congress.

Section 814—Annual Reports on Authority to Carry Out Certain Prototype Projects

This section would amend section 2371b of title 10, United States Code, by adding a new section requiring the Secretary of Defense to annually submit a report to the congressional defense committees on the activity carried out under the authority to use other transaction authorities for prototype projects and any deviations from implementing guidance.

Section 815—Supply Chain Risk Mitigation Policies to Be Implemented through Requirements Generation Process

This section would amend section 807 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) to require the Secretary of Defense to develop tools for supply chain risk mitigation policies during the requirements generation process.

The committee notes that supply chain risk issues have grown in importance as the U.S. defense acquisition supply base has become increasingly global. The committee further recognizes that supply chain risk mitigation is requirements-specific and should be addressed early in the acquisition process to allow for tailoring where appropriate.

Section 816—Enhanced Post-Award Debriefing Rights

This section would amend section 818 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), which required post-award debriefings of the Department of Defense rating for each evaluation criteria and overall award decision, by reducing the award threshold for comprehensive debriefings from \$100.0 million to \$50.0 million.

Section 817—Standardizing Data Collection and Reporting on Use of Source Selection Procedures by Federal Agencies

This section would repeal portions of section 2305 note of title 10, United States Code, and section 3701 note of title 41, United States Code, which required the Government Accountability Office (GAO) to provide an annual report on the use of lowest price technically acceptable (LPTA) source selection procedures by the Department of Defense and civilian agencies, respectively. These provisions presumed that the Department and the Office of Federal Procurement Policy (OFPP) would revise the Defense Federal Acquisition Regulations Supplement or the Federal Acquisition Regulation within the timeframes established in the enabling legislation. GAO has twice reported that the Department has not yet implemented the source selection criteria provided by Congress. The committee also understands that the OFPP is just beginning the process to draft implementing regulations for civilian agencies despite the mandate to do so within 120 days of the enactment of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232). The committee notes that until the Department and OFPP issue implementing regulations, GAO will not have new information regarding agencies' use of LPTA and whether contracting officers are using LPTA appropriately.

This section would also require revisions to the Federal Procurement Data System (FPDS), or any successor systems, to facilitate the collection of data on source selection procedures used in awarding contracts and other relevant contract actions, such as task and delivery orders issued under indefinite delivery-indefinite quantity contracts. Under this section, the Administrator of General Services, in coordination with the OFPP would determine appropriate revisions to the FPDS within the 180 days provided for under this section. The committee notes that this revision should be feasible, as the FPDS already collects information on whether contracts were awarded using the sealed bidding process, which accounts for a relatively small percentage of the total contracts awarded each year. The committee expects that the new information to be collected would include, at a minimum, whether the contract awarded or order issued was made using LPTA or best value contracting methods, or some other procedure.

SUBTITLE C—PROVISIONS RELATING TO ACQUISITION WORKFORCE

Section 820—Defense Acquisition Workforce Certification and Education Requirements

This section would amend section 1701a of title 10, United States Code. The committee notes that the Department of Defense could better prepare its acquisition workforce by modernizing its certification process to emphasize professional skills that are transferable across the workforce and industry. The Secretary of Defense is authorized to implement the program based on third-party accredited, nationally or internationally recognized standards, where they exist, or through entities outside the Department, if the Secretary determines that to be the best approach.

This section also would amend section 1724 of title 10, United States Code, and strike the requirement for contracting officers to have completed at least 24 semester credit hours (or the equivalent) of study from an accredited institution of higher education, and make conforming amendments to section 1732 of title 10, United States Code. The committee notes that the Department has raised the professionalism of its acquisition workforce since enactment of the Defense Acquisition Workforce Improvement Act in 1990 and the amendments would allow the Department the flexibility to establish the specific educational requirements that should be applied to a particular workforce career field.

This section would also amend title 10, United States Code, by modifying several sections of chapter 87 to institutionalize career paths for all acquisition workforce career fields, and by inserting a new section 1765 to develop competencies for every acquisition career field. The committee is aware that while chapter 87 had general career path requirements, none specifically applied to all acquisition career fields or mandated recommended attributes, such as key work experience. Section 1721, as amended would be a key factor in the success of this implementation and would require the Department to identify which specific career fields represent the acquisition workforce in order to better institutionalize career paths throughout all acquisition career fields. The committee recognizes the scope of the new section 1765 is designed to establish proficiency standards throughout the acquisition workforce in an effort to qualify and assess the technical and nontechnical competencies for all acquisition career fields.

Lastly, this section would amend section 1721 of title 10, United States Code, to include foreign military sales personnel as part of the acquisition workforce.

Section 821—Public-Private Exchange Program for the Acquisition Workforce

This section would create a two-way exchange program between the Department of Defense acquisition workforce and private sector companies. The committee recognizes that exchange programs between the public sector and the private sector could benefit the Federal Government and private sector companies alike, as evinced by the creation of a public-private talent exchange in the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328). The committee recognizes that the Department's willingness to support those employees who participate in the exchange program and promote the further development of their careers would be essential to the success of the program.

The committee is aware that the Department's previous efforts to implement such exchange programs were undermined by structural disincentives for key stakeholders. The committee notes that the new statute would eliminate these disincentives, thereby paving the way for greater participation among the acquisition workforce. In particular, the committee notes that the new statute would preclude the use of a private sector employee's participation in the exchange program, in and of itself, as the basis of an organizational conflict-of-interest complaint.

This section would make conforming amendments to section 1705 of title 10, United States Code, to permit the use of the Defense Acquisition Workforce Development Fund for the exchange program, and to section 1599g of title 10, United States Code, to exclude members of the acquisition workforce from the Department-wide talent exchange.

Section 822—Incentives and Consideration for Qualified Training Programs

This section would amend chapter 141 of title 10, United States Code, by adding a new section to incentivize contractors to invest in workforce development programs to address the workforce needs of the Department of Defense, as determined by the Secretary. This section would also require the Secretary of Defense to include an evaluation of contractor workforce development programs in the contract past performance system.

Section 823—Incentives and Consideration for Utilization of Qualified Apprentices by Prospective Military Construction Contractors

This section would require the Secretary of Defense to develop an apprenticeship workforce incentive program to encourage contractors to meet a 10 percent goal of employing certified and skilled workers who have completed State-mandated, federally funded programs in the relative career fields. This section would also require the Secretary of Defense to include an evaluation of whether the contractor meets this goal in the contractor past performance rating system.

SUBTITLE D—INDUSTRIAL BASE MATTERS

Section 830—Size Standard Calculations for Certain Small Business Concerns

This section would clarify that section 3(a)(2)(C) of the Small Business Act undoubtedly applies to the Small Business Administration (SBA). The section would align the size standards based on data to the Small Business Runway Extension Act of 2018 (Public Law 115-324) by changing the calculation from 3 years to 5 years. This section also would require the SBA to develop a transition plan for small businesses and Federal agencies to help them successfully navigate the transition from the previous 3-year calculation to the new 5-year calculation as mandated and would require that the System for Award Management be updated accordingly.

Section 831—Modifications to Small Business Subcontracting

This section would ensure greater accountability for prime contractors electing to receive subcontracting credit for subcontracting with small businesses at lower tiers, and would provide small businesses with an alternative avenue for nonpayment issues with the prime contractor. This section would clarify that large prime contractors have the ability to receive subcontracting credit for small businesses at lower tiers; would strengthen the agency’s ability to collect and review data regarding prime contractors’ achievement of their subcontracting plans; would require the prime contractor to keep and maintain records to demonstrate subcontracting credit claimed; and would implement a new dispute process allowing small subcontractors to bring nonpayment issues to the agency small business advocate.

Section 832—Inclusion of Best in Class Designations in Annual Report on Small Business Goals

This section would allow Congress to obtain critical information regarding the participation of small businesses in specially designated multiple award contracts known as “best in class” contracts. It would require the Small Business Administration (SBA) to report Federal spending made through designated “best in class” vehicles, and to report on the dollars awarded through these vehicles to small businesses. Additionally, this section would require the SBA to report the dollar amount of contracts awarded to HUBZone, women-owned, service-disabled veteran-owned, and socially and economically disadvantaged (also known as 8(a)) small businesses. This section would become effective on the date on which this information becomes available on the appropriate government-run procurement tracking system.

Section 833—Small Business Administration Cybersecurity Reports

This section would require the Small Business Administration to issue reports that assess its cybersecurity infrastructure, including determining the country of origin of its information technology components, and report cyber threats, breaches, and cyber attacks.

Section 834—Cyber Counseling Certification Program for Lead Small Business Development Centers

This section would amend section 21(a) of the Small Business Act by adding Cyber Strategy Training for Small Business Development Centers (SBDCs) and require the Small Business Administrator to establish, or certify, an existing cyber counseling certification program to certify employees at small business development centers (that have directly received a grant from the Administration) to provide assistance to small businesses for planning cybersecurity practices and strategies to

respond to cyber attacks. The Small Business Administration would be authorized to reimburse SBDCs for employee certification costs up to \$350,000 per fiscal year.

Section 835—Exemption of Certain Contracts from the Periodic Inflation Adjustments to the Acquisition-Related Dollar Threshold

This section would amend subparagraph (B) of section 1908(b)(2) of title 41, United States Code, to exempt certain contracts from the periodic inflation adjustments to the acquisition-related dollar threshold.

Section 836—Authorized Official to Carry Out the Procurement Technical Assistance Cooperative Agreement Program

This section would move the management and oversight of the Procurement Technical Assistance Cooperative (PTAC) Agreement Program from the Defense Logistics Agency to the Office of the Under Secretary of Defense for Acquisition and Sustainment. The committee recognizes that PTACs are a critical part of efforts at the Department of Defense to reach new businesses and expand the defense industrial base. As such, the PTAC program should be placed in the Department's Office of Industrial Policy (formerly known as the Office of Manufacturing and Industrial Base Policy), where it would align with their activities.

Section 837—Reauthorization of the Department of Defense Mentor-Protege Program

This section would extend the Department of Defense Mentor-Protege pilot program until fiscal year 2021 for a participating business concern's eligibility to enter into mentor-protege agreements and until fiscal year 2023 for a mentor firm's eligibility for reimbursement related to costs of furnishing developmental assistance to a protege firm. This section also would add additional reporting requirements to better track the businesses that are benefiting both as mentors and proteges.

SUBTITLE E—OTHER MATTERS

Section 840—Report and Database on Items Manufactured in the United States for Major Defense Acquisition Programs

This section would amend chapter 144 of title 10, United States Code, by inserting a new section requiring the Secretary of Defense to submit a report to the congressional defense committees assessing the domestic source content of procurements carried out in connection with major defense acquisition programs. This section would also require the Secretary of Defense to establish an information repository for the collection of domestic source content information to be used for continuous data analysis and program management activities. The section would

express the sense of Congress that any entity of the Department of Defense should purchase only American-made equipment and products where possible.

The committee is interested in ensuring the Department's acquisition processes are in line with, at a minimum, the standards of the Buy American Act of 1933 (Public Law 72-428) and believes the Department should be setting a goal to acquire and procure purely American-made equipment and products to ensure a strong national industrial base to support our warfighters in time of need.

Section 841—Requirements Relating to Selected Acquisition Reports

This section would reestablish the requirement for Selected Acquisition Reports, which summarize key cost and schedule information for major defense acquisition programs (MDAPs) at the Department of Defense.

This section would require the Secretary of Defense to submit a proposal for an alternative reporting methodology for MDAPs with the budget request for fiscal year 2021. The proposal shall also include other programs, such as rapid prototyping or rapid fielding programs, carried out under the authority of section 804 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) and how the Department plans to report cybersecurity and software development metrics.

Section 842—Contractor Science, Technology, Engineering, and Math (STEM) Programs

This section would amend section 862 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112-81) by requiring that activities conducted under the authority provided in section 862 be considered as allowable community service activities for the purposes of determining allowability of cost on a government contract. The committee is aware that current cost accounting practices provide that the costs associated with certain community service activities be considered as allowable costs on a government contract. The Federal Acquisition Regulation specifically lists blood drives, savings bond drives, and disaster assistance as examples of such allowable community service activities. The committee believes that contractor investments in the science, technology, engineering, and math (STEM) programs covered under section 862 are of service to our communities, increase the health of the defense industrial base, and develop the STEM workforce of the Department of Defense. This section would also make technical corrections and conform the provision to the current organizational structure of the Department of Defense.

Section 844—Requirements Relating to Certain Rail Rolling Stock Procurements and Operations

This section would prevent financial assistance, specifically Federal transit dollars, from being used to award a contract or subcontract for the procurement of

passenger railcars to priority foreign state-owned, -controlled, or -subsidized enterprises (as identified by the Trade Act of 1974). This section would create a certification process for transit agencies to ensure their funds are not being used to purchase rolling stock from a covered manufacturer, with a narrow exception for transportation agencies with a preexisting contract or subcontract with a covered rail rolling stock manufacturer executed prior to the date of the enactment of this Act.

This section also would require that any rail transit service operator develop and execute a plan for identifying and reducing cybersecurity risks. Recipients of Federal transit assistance would be required to review best practices and identify any hardware and software components of new rolling stock assets that should undergo third-party testing.

TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

LEGISLATIVE PROVISIONS

SUBTITLE A—OFFICE OF THE SECRETARY OF DEFENSE AND RELATED MATTERS

Section 901—Update of Authorities Relating to Nuclear Command, Control, and Communications

This section would realign authorities related to nuclear command and control from the Chief Information Officer to the Under Secretary of Defense for Acquisition and Sustainment.

SUBTITLE B—OTHER DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT MATTERS

Section 911—Codification of Assistant Secretaries for Environment, Installations, and Energy of the Army, Navy and Air Force

This section would amend sections 7016, 8016, and 9016 of title 10, United States Code, to require an Assistant Secretary with cognizance over environment, installations, and energy for each military department.

SUBTITLE C—SPACE MATTERS

Section 921—United States Space Command

This section would repeal section 169 of title 10, United States Code, that mandated a sub-unified command for space.

TITLE X—GENERAL PROVISIONS

LEGISLATIVE PROVISIONS

SUBTITLE A—FINANCIAL MATTERS

Section 1001—General Transfer Authority

This section would allow the Secretary of Defense, with certain limitations, to make transfers between amounts authorized for fiscal year 2020 in division A of this Act. This section would limit the total amount transferred under this authority to \$1.0 billion. This section would also require prompt notification to Congress of each transfer made.

Section 1002—Additional Requirements for Annual Report and Briefing on Financial Improvement and Audit Remediation Plan

This section would amend the annual reporting and semiannual briefing requirements contained in section 240b of title 10, United States Code, to include a current accounting of the defense business systems of the Department of Defense that will be introduced, replaced, updated, modified, or retired in connection with the audit of the full financial statements of the Department, including a comprehensive roadmap displaying in-service, retirement, and other pertinent dates for affected defense business systems, as well as current cost-to-complete estimates for each effort.

Section 1003—Reporting Requirements Relating to Department of Defense Audits

This section would require an annual report ranking each of the military departments and Defense Agencies in order of how advanced they are in achieving auditable financial statements as required by law. This report would include, for the bottom quartile of departments and agencies ranked in the report, an additional report describing the material weaknesses of the reporting entity, underlying causes of the material weaknesses, and a plan for remediation. This section would also require a report presenting a plan for achieving an unmodified audit opinion on the Department of Defense-wide consolidated audit within 5 years.

Section 1005—Determination of Budgetary Effects

This section would state the budgetary effects of this Act for the purpose of complying with the Statutory Pay-As-You-Go Act of 2010.

SUBTITLE B—COUNTERDRUG ACTIVITIES

Section 1011—Modification of Authority to Provide Support to Other Agencies for Counterdrug Activities and Activities to Counter Transnational Organized Crime

This section would modify the authority to provide support to other agencies for counterdrug activities and activities to counter transnational organized crime and clarify notification requirements for support provided under subsection (b).

Section 1012—Technical Correction and Extension of Reporting Requirement Regarding Enhancement of Information Sharing and Coordination of Military Training Between Department of Homeland Security and Department of Defense

This section would provide a technical correction and extend until December 31, 2022, to a report required by section 1014 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

SUBTITLE C—NAVAL VESSELS AND SHIPYARDS

Section 1022—Use of National Defense Sealift Fund for Procurement of Two Used Vessels

This section would require the Secretary of the Navy to seek to enter into a contract for two used vessels for mobilization purposes.

SUBTITLE D—COUNTERTERRORISM

Section 1031—Extension of Authority for Joint Task Forces to Provide Support to Law Enforcement Agencies Conducting Counter-Terrorism Activities

This section would extend section 1022 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108-136) from fiscal year 2020 to fiscal year 2022, and make technical corrections.

Section 1032—Prohibition on the Use of Funds for Transfer or Release of Individuals Detained at United States Naval Station, Guantanamo Bay, Cuba, to Certain Countries

This section would prohibit the use of funding authorized to be appropriated or otherwise made available for the Department of Defense during the period beginning on the date of the enactment of this Act and ending on December 31, 2020, to transfer, release, or assist in the transfer or release of any individual detained at U.S. Naval Station, Guantanamo Bay, Cuba, to Libya, Somalia, Syria, or Yemen.

Section 1033—Prohibition on Use of Funds for Transfer to and Detention of Additional Individuals, Including United States Citizens, at United States Naval Station, Guantanamo Bay, Cuba

This section would prohibit the use of funding authorized to be appropriated or otherwise made available for the Department of Defense during the period beginning on the date of the enactment of this Act and ending on December 31, 2020, to detain any additional individuals, including United States citizens, at the detention facility at the United States Naval Station, Guantanamo Bay, Cuba.

This section would prohibit detention of additional individuals under the law of war or pursuant to a military commission proceeding, and defines additional individuals as individuals to be detained at Guantanamo following the most recent release of a detainee, pursuant to a plea agreement, in May 2018.

This section would also require a plan identifying a disposition other than continued law of war detention at United States Naval Station, Guantanamo Bay, Cuba, for each individual currently detained at Guantanamo.

Section 1034—Sense of Congress regarding the Provision of Medical Care to Individuals Detained at United States Naval Station, Guantanamo Bay, Cuba

This section would express the sense of Congress that the increasing age of detainees at the U.S. Naval Station, Guantanamo Bay, Cuba, poses challenges for the provision of medical care and that the United States has an ongoing obligation to provide medical care to detainees at Guantanamo that meets appropriate standards of care.

This section would also express the sense of Congress that the Secretary of Defense should take into account the standards of care provided at other relevant facilities, including those administered by the Federal Bureau of Prisons, when determining the policies regarding medical care for detainees at Guantanamo.

SUBTITLE E—MISCELLANEOUS AUTHORITIES AND LIMITATIONS

Section 1044—Modification and Technical Correction of Authority for Deployment of Members of the Armed Forces to the Southern Land Border of the United States

This section would modify the authority under section 1059 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to require the Secretary of Defense to fully consider readiness, mission and task alignment to requested support, and ensure that support requirements are inherently governmental when determining the Department of Defense's ability to provide assistance to secure the U.S. southern land border. Additionally, this section would add reporting requirements.

Section 1046—Prohibition on Use of Funds for Construction of a Wall, Fence, or Other Physical Barrier along the Southern Border of the United States

This section would prohibit the obligation, expense, or use of funds, that have been authorized to be appropriated for national defense in fiscal years 2015 through 2020, to design or carry out a project to construct, replace, or modify a wall, fence or other physical barrier along the international border between the United States and Mexico.

Section 1047—Expenditure of Funds for Department of Defense Intelligence and Counterintelligence Activities

This section would authorize the expenditure of no more than 5 percent of Military Intelligence Program funds for Department of Defense recurring or anticipated intelligence and counterintelligence activities for each of the fiscal years 2020 through 2025. Further, this section would require the Secretary of Defense to provide a report of the expenditures covered by this authorization for each of the fiscal years 2020 through 2025.

This section would provide additional authorization in response to section 1041 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), which required the Secretary of Defense to clarify use of emergency and extraordinary expenses (EEE) for intelligence and counterintelligence (CI) activities that were determined not to be of an emergent or extraordinary nature. This modification of section 423 of title 10, United States Code, attempts to normalize limited, controlled spending for the Department's intelligence and CI activities while preserving the EEE construct for those intelligence and CI expenses that are truly emergent and extraordinary, and cannot be classified with an established Department of Defense funding program.

SUBTITLE F—STUDIES AND REPORTS

Section 1061—Report on Transfers of Equipment to Prohibited Entities

This section would require the Secretary of Defense, in coordination with the Secretary of State, to submit an annual report on the transfer of defense articles to any unit committing a gross violation of human rights or any group or organization prohibited from receiving assistance from the United States during the preceding year. This section would also require a one time report on transfers during the period beginning on January, 1, 2015 and ending on the date of enactment of this Act.

Section 1062—Elimination of Requirement to Submit Reports to Congress in Paper Format

This section would enable the Department of Defense to provide reports required by the Congress in an electronic format rather than a paper format. By eliminating the requirement of the delivery of congressional reports in paper

format, the Department of Defense would be able to streamline the reporting process both within the Department and in delivery of its reports to the Congress.

Section 1063—Modification of Annual Report on Civilian Casualties in Connection with United States Military Operations

This section would modify section 1057 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), as most recently amended by section 1062 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232), by adding additional elements and extending the reporting requirement.

Section 1070—Geographic Command Risk Assessment of Proposed Use of Certain Aircraft Capabilities

This section would require selected commanders of geographic combatant commands to provide a report to the congressional defense committees not later than March 31, 2020, that assesses the level of operational risk posed by the plans of the Department of the Air Force and the Department of the Navy to provide a mix of fifth generation and advanced fourth generation tactical aircraft capabilities to meet each commanders' contingency and steady-state operational requirements.

SUBTITLE G—OTHER MATTERS

Section 1081—Technical, Conforming, and Clerical Amendments

This section would make a number of technical, conforming, and clerical amendments of a non-substantive nature to existing law.

Section 1082—Submission to Congress of Department of Defense Execute Orders

This section would add a new section in chapter 2 of title 10, United States Code, that would require the Secretary of Defense to provide to the chairman and ranking member of each of the congressional defense committees, and their designated staff with the appropriate security clearance, copies of each execute order issued by the Secretary or by a commander of a combatant command before the date of the enactment of this Act, and within 30 days of issuing an execute order after the date of the enactment of this Act.

Section 1084—National Commission on Military Aviation Safety

This section would amend section 1087 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232) to extend the deadline to December 1, 2020, for the National Commission on Military Aviation Safety to submit its final report. In addition, this section would require the

Secretary of Defense, in coordination with the Secretaries of the military departments, to provide a report that assesses the commission's findings and conclusions, as well as details any plans for implementing recommendations made by the commission and any other actions being taken to improve military aviation safety. Finally, this section would authorize \$3.0 million in fiscal year 2020 for the commission's operations.

Section 1086—Assessment of Standards, Processes, Procedures, and Policy Relating to Civilian Casualties

This section would require the Secretary of Defense to enter into an agreement with a federally funded research and development center for conduct of an independent assessment of the sufficiency of Department of Defense standards, processes, procedures, and policy relating to civilian casualties resulting from United States military operations.

Section 1087—Disposal of IPv4 Addresses

This section would require the Department of Defense to sell certain IPv4 addresses at fair market value. This section would also require the Secretary of Defense to submit a report to the congressional defense committees not later than 180 days after the date of the enactment of this Act on the disposal of certain IPv4 addresses, an accounting of the total number of IPv4 address holdings of the Department of Defense, and the plan of the Secretary to transition all Department addresses to IPv6. Finally, this section would limit the obligation or expenditure of funds for fiscal year 2020 to 70 percent of funds for the Office of the Secretary of Defense for travel until the Secretary submits this report.

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

LEGISLATIVE PROVISIONS

SUBTITLE A—ASSISTANCE AND TRAINING

Section 1201—Modification of Authority to Build Capacity of Foreign Security Forces

This section would clarify that international coalition operation in section 333 of title 10, U.S. Code, is an existing international coalition operation. Further, this section modifies the congressional notification requirement to require information regarding whether a program could also be authorized under other authorities under this title, the Foreign Assistance Act of 1961 (Public Law 87-195), or any other train and equip authorities of the Department of Defense, and an identification of each such authority.

Section 1202—Modification and Extension of Cross Servicing Agreements for Loan of Personnel Protection and Personnel Survivability Equipment in Coalition Operations

This section would extend section 1207 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) through December 31, 2024. This authority allows the Secretary of Defense, with the concurrence of the Secretary of State, to loan personnel protection and personnel survivability equipment to military forces of other nations for their use in coalition operations with the United States as part of a contingency operation or a peacekeeping operation under the United Nations Charter or another international agreement.

Section 1203—Modification of Quarterly Report on Obligation and Expenditure of Funds for Security Cooperation Programs and Activities

This section would modify the quarterly reporting requirement on obligation and expenditure of funds for security cooperation programs and activities from 30 days after the calendar quarter to 60 days.

SUBTITLE B—MATTERS RELATING TO AFGHANISTAN AND PAKISTAN

Section 1211—Extension and Modification of Authority for Reimbursement of Certain Coalition Nations for Support Provided to United States Military Operations

This section would extend through December 31, 2020, the authority to make Coalition Support Fund payments under section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181) as most recently amended by section 1225 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232).

Section 1212—Modification and Extension of Afghan Special Immigrant Visa Program

This section would modify and extend the Afghan Allies Protection Act of 2009 (Public Law 111-8) by adjusting the number of visas available and individual eligibility requirements. It would not modify the length of employment or security criteria an applicant must meet.

The committee has repeatedly highlighted the critical importance of the Special Immigrant Visa Program for U.S. Government operations in Afghanistan. The modifications in this section reinforce the importance of this program and the committee's continued commitment to those who, at great personal risk, support the United States operations in Afghanistan.

Section 1213—Extension of Authority to Transfer Defense Articles and Provide Defense Services to the Military and Security Forces of Afghanistan

This section would extend through December 31, 2022, section 1222 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112-239), as most recently amended under section 1211 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), to transfer defense articles and provide defense services to the military and security forces of Afghanistan.

Section 1214—Extension and Modification of Authority to Acquire Products and Services Produced in Countries along a Major Route of Supply to Afghanistan

This section would extend section 801(f) of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111-84) as most recently amended by section 1214 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), through December 31, 2021, to authorize the acquisition of products and services produced in countries along a major route of supply to Afghanistan and would require the Secretary of Defense to submit a report on the use of the authority.

Section 1215—Authority for Certain Payments to Redress Injury and Loss in Afghanistan, Iraq, Syria, Somalia, Libya, and Yemen

This section authorizes ex gratia payments for certain countries not to exceed \$5.0 million from Office of the Secretary of Defense, Department of Defense Operations and Maintenance Funds, expiring December 31, 2020.

Section 1216—Extension of Semiannual Report on Enhancing Security and Stability in Afghanistan

This section would extend through December 15, 2022, the authority under section 1225 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291), as amended by section 1215 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

This section would require a semiannual report to the appropriate committees of Congress on enhancing the strategic partnership between the United States and Afghanistan, providing an overview of the security situation in Afghanistan, and the efforts to build and sustain the Afghan National Defense and Security Forces.

SUBTITLE C—MATTERS RELATING TO SYRIA, IRAQ, AND IRAN

Section 1221—Modification of Authority to Provide Assistance to Counter the Islamic State of Iraq and Syria

This section would amend section 1236 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) by modifying the authority to provide assistance to the security forces of the Government of Iraq to counter the Islamic State of Iraq and Syria.

Section 1222—Extension and Modification of Authority to Provide Assistance to the Vetted Syrian Opposition

This section would extend and modify section 1209 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291), by extending the authority to support vetted Syrian opposition through December 30, 2020.

Section 1223—Extension and Modification of Authority to Support Operations and Activities of the Office of Security Cooperation in Iraq

This section would amend subsection (f)(1) of section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (10 U.S.C. 113 note) to extend the authority for the Office of Security Cooperation in Iraq (OSC-I) through December 31, 2020. Additionally, this section would limit the amount of authorized funds available to be obligated or expended to not more than 50 percent for OSC-I until the Secretary of Defense certifies that OSC-I has achieved specific reforms, including the appointment of a Senior Defense Official/Defense Attache; development of a plan to reorganize OSC-I similar to other regional security cooperation offices, including the placement of foreign area officers in leadership positions and closing duplicative or extraneous sections; and planning and initiation of bilateral engagement with Iraq that will culminate in a Joint Military Commission and the drafting of a 5-year security assistance roadmap for developing strategic and sustainable military capacity and capabilities for Iraq that includes a plan for defense industrial base and security sector reform.

Section 1224—Prohibition on Provision of Weapons and Other Forms of Support to Certain Organizations

This section would prohibit the use of funds authorized to be appropriated by this Act to the Department of Defense for fiscal year 2020 to provide weapons or any form of support to al-Qaeda, the Islamic State of Iraq and Syria, Jabhat Fateh al Sham, any individual or group associated with these organizations, or any entity the Secretary of Defense determines may trade or sell arms to terrorist organizations.

SUBTITLE D—MATTERS RELATING TO RUSSIA

Section 1232—Extension of Limitation on Military Cooperation Between the United States and the Russian Federation

This section would extend for 1 year section 1232(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), as most recently amended by section 1247 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232). This section would limit the use of fiscal year 2020 funds for bilateral military-to-military cooperation between the Government of the United States and Russia until the Secretary of Defense, in coordination with the Secretary of State, provides a certification to appropriate congressional committees relating to certain actions by Russia. This extension includes the rule of construction that was established in Public Law 115-232, indicating that nothing in the provision shall be construed to limit bilateral military-to-military dialogue for the purpose of reducing the risk of conflict.

Section 1233—Prohibition on Availability of Funds Relating to Sovereignty of the Russian Federation over Crimea

This section would extend by 1 year the prohibition imposed by section 1245 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), as amended by section 1241 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232). This section would prohibit the use of fiscal year 2020 funds to implement any activity that recognizes the sovereignty of Russia over Crimea. This section would also allow the Secretary of Defense, with the concurrence of the Secretary of State, to waive the prohibition if the Secretary determines that doing so would be in the national security interest of the United States and submits a notification 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.

Section 1234—Modification and Extension of Ukraine Security Assistance Initiative

This section would authorize \$250.0 million in fiscal year 2020 to carry out the authority provided in section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) authorizing the Secretary of Defense to provide security assistance and intelligence support to the Government of Ukraine. This section would also modify the authority to require concurrence by the Secretary of State in the provision of assistance.

The committee commends the Department of Defense for providing assistance via the Ukraine Security Assistance Initiative in the past year designed to strengthen Ukraine's naval capabilities, following Russia's hostile actions in the Kerch Strait in November 2018.

Section 1235—Report on Treaties Relating to Nuclear Arms Control

This section would limit the Secretary of Defense travel funds until the Secretary of Defense produced a report on nuclear arms control treaties.

SUBTITLE E—MATTERS RELATING TO THE INDO-PACIFIC REGION

Section 1241—Modification of Indo-Pacific Maritime Security Initiative

This section would modify the Indo-Pacific Maritime Security Initiative to include additional elements of assistance and training, require additional information for congressional notifications, mandate an annual report, prohibit the use of funds to units of foreign security forces that have committed gross violations of human rights, and incorporate an assessment, monitoring, and evaluation program. This section would also require a one time report on the Initiative.

Section 1242—Extension and Modification of Report on Military and Security Developments Involving the Democratic People's Republic of Korea

This section would amend section 1236 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112-81) to extend the requirement to provide a report on the military and security developments involving the Democratic People's Republic of Korea and would add a reporting element to require a discussion of North Korea's nuclear program, strategy, production capabilities, and future projections.

Section 1243—Limitation on Use of Funds to Reduce the Total Number of Members of the Armed Forces Serving on Active Duty who are Deployed to the Republic of Korea

This section would amend section 1264 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232) to prohibit the use of funds authorized to be appropriated by this Act to reduce the number of members of the Armed Forces serving on Active Duty in the Republic of Korea below 28,500 unless the Secretary of Defense first provides certification to the congressional defense committees that such a reduction is in the national security interest of the United States and will not significantly undermine the security of the United States' allies in the region.

Section 1244—Report on Direct, Indirect, and Burden-Sharing Contributions of Japan and South Korea

This section would require the Secretary of Defense to provide a report to the congressional defense committees, Senate Committee on Foreign Relations, and House Committee on Foreign Affairs, not later than March 1, 2020, and March 1, 2021, on the direct, indirect, and burden-sharing contributions of Japan and South Korea to support overseas military installations of the United States and U.S. Armed Forces deployed to or permanently stationed in Japan and South Korea.

The committee believes that U.S. national security is enhanced by the presence of U.S. forces in Japan and South Korea. Further, the committee values

United States' alliances with Japan and South Korea, based on shared values of democracy, the rule of law, free and open markets, and respect for human rights.

The committee reaffirms United States' commitment to these alliances with Japan and South Korea, which are cornerstones for the preservation of peace and stability in the region and throughout the world. The committee recognizes the substantial financial commitments of Japan and South Korea to the maintenance of U.S. forces in these countries, making them among the most-significant burden-sharing partners of the United States.

Section 1245—Report on Strategy on the Philippines

This section would require the Secretary of Defense, in consultation with the Secretary of State, to provide a report to the congressional defense committees, Senate Committee on Foreign Relations, and House Committee on Foreign Affairs, not later than 120 days after the date of the enactment of this Act on the Department of Defense's objectives and strategy for achieving such objectives for the Philippines. The report would include a description of U.S. national security interests and objectives furthered by the Mutual Defense Treaty with the Philippines, a description of the regional security environment, and a discussion of Department of Defense support or assistance programs, partners, and authorities in the Philippines.

SUBTITLE F—MATTERS RELATING TO EUROPE AND NATO

Section 1252—Modification and Extension of Future Years Plan and Planning Transparency for the European Deterrence Initiative

This provision would require an annual “Future Years Plan” for the European Deterrence Initiative (EDI) as previously required by section 1273(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) and require the Department’s budget request materials for EDI to include a display that clearly and concisely communicates to Congress, at an appropriate level of detail, which budget lines constitute EDI. The committee seeks to conduct oversight and require better planning for EDI. The committee believes enabling cross-reference of requested EDI priorities and budget activities would enhance transparency, strengthen congressional oversight, and facilitate Congress’s ability to support European deterrence needs.

Section 1253—Protection of European Deterrence Initiative Funds from Diversion for Other Purposes

This section would require a congressional report for each obligation of European Deterrence Initiative (EDI) funds above a threshold of \$10.0 million and a report at the end of each fiscal year detailing how EDI funds were spent during the

fiscal year in comparison to their intended uses. The committee aims to ensure that EDI funding is used for EDI purposes and is not diverted to other priorities.

Section 1254—Statement of Policy on United States Military Investment in Europe

This section would state that it is the policy of the United States to sustain a credible deterrent against Russian aggression, emphasizing the role in deterrence played by United States allies and partners, the importance of the North Atlantic Treaty Organization (NATO) alliance and adherence to the founding values of the NATO alliance by its members, the value of additional forward-deployed and continued rotational force presence, and the need for U.S. military posture in Europe that is holistic and geographically suited to a comprehensive response to Russian challenges across numerous European fronts.

The committee also notes the value of NATO communication with U.S. policymakers to inform them about NATO's mission, efforts, and concerns and encourages NATO to increase its communication with Congress and the executive branch.

Section 1255—Limitation on Transfer of F-35 Aircraft to Turkey

This section would prevent the transfer of any F-35 aircraft or related materials to Turkey unless the Secretary of Defense and Secretary of State jointly certify either that Turkey has provided credible assurances that it will not accept delivery of the S-400 air defense system, or that Turkey has abandoned an S-400 air defense system, if it had accepted it, along with any other equipment, materials, or personnel associated with the system, and has provided credible assurances that it will not take possession of an S-400 in the future.

SUBTITLE G—OTHER MATTERS

Section 1261—Sense of Congress on United States Partners and Allies

This section would express the sense of Congress that partners and allies are critical to achieving United States national security interests and defense objectives around the world.

Section 1262—Modification to Report on Legal and Policy Frameworks for the Use of Military Force

This section would modify section 1264 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) that required the President to submit a report to the appropriate congressional committees on the legal and policy frameworks for the use of military force and related national security operations to be an annual reporting requirement.

Section 1263—Limitation on Availability of Certain Funds until Report on Department of Defense Missions, Operations, and Activities in Niger is Submitted to Congress

This section would withhold 20 percent of funds authorized to be appropriated for Operations and Maintenance Defense-Wide, Office of the Secretary of Defense, for travel expenses until the Secretary of Defense provides the report on Department of Defense Mission, Operations and Activities in Niger required by section 1276 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232).

Section 1264—Independent Assessment of Sufficiency of Resources Available to United States Southern Command and United States Africa Command

This section would direct the Secretary of Defense to seek to enter into a contract with an entity independent of the Department of Defense to conduct an assessment of the sufficiency of resources available to U.S. Southern Command and U.S. Africa Command.

Section 1265—Rule of Construction Relating to Use of Military Force

This section would establish that nothing in this Act or any amendment made by this Act may be construed to authorize the use of military force.

TITLE XIII—COOPERATIVE THREAT REDUCTION

LEGISLATIVE PROVISIONS

Section 1301—Funding Allocations

This section would allocate specific funding amounts for each program under the Department of Defense Cooperative Threat Reduction (CTR) Program from within the overall \$338.7 million that the committee would authorize for the CTR Program. The allocation under this section reflects the amount of the budget request for fiscal year 2020.

Section 1302—Specification of Cooperative Threat Reduction Funds

This section 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 for fiscal years 2020, 2021, and 2022.

TITLE XIV—OTHER AUTHORIZATIONS

LEGISLATIVE PROVISIONS

SUBTITLE A—MILITARY PROGRAMS

Section 1401—Working Capital Funds

This section would authorize appropriations for Defense Working Capital Funds at the levels identified in section 4501 of division D of this Act.

Section 1402—Chemical Agents and Munitions Destruction, Defense

This section would authorize appropriations for Chemical Agents and Munitions Destruction, Defense at the levels identified in section 4501 of division D of this Act.

Section 1403—Drug Interdiction and Counter-Drug Activities, Defense-Wide

This section 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.

Section 1404—Defense Inspector General

This section would authorize appropriations for the Office of the Inspector General at the levels identified in section 4501 of division D of this Act.

Section 1405—Defense Health Program

This section would authorize appropriations for the Defense Health Program at the levels identified in section 4501 of division D of this Act.

Section 1406—National Defense Sealift Fund

This section would authorize appropriations for the National Defense Sealift Fund at the levels identified in section 4501 of division D of this Act.

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

LEGISLATIVE PROVISIONS

SUBTITLE A—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS

Section 1501—Purpose

This section 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 authorization of funds due to overseas contingency operations and other additional funding requirements.

Section 1502—Procurement

This section would authorize additional appropriations for procurement at the levels identified in section 4102 of division D of this Act.

Section 1503—Research, Development, Test, and Evaluation

This section would authorize additional appropriations for research, development, test, and evaluation at the levels identified in section 4202 of division D of this Act.

Section 1504—Operation and Maintenance

This section would authorize additional appropriations for operation and maintenance programs at the levels identified in section 4302 of division D of this Act.

Section 1505—Military Personnel

This section would authorize additional appropriations for military personnel at the levels identified in section 4402 of division D of this Act.

Section 1506—Working Capital Funds

This section would authorize additional appropriations for Defense Working Capital Funds at the levels identified in section 4502 of division D of this Act.

Section 1507—Drug Interdiction and Counter-Drug Activities, Defense-Wide

This section would authorize additional appropriations for Drug Interdiction and Counter-Drug Activities, Defense-Wide, at the levels identified in section 4502 of division D of this Act.

Section 1508—Defense Inspector General

This section would authorize additional appropriations for the Office of the Inspector General at the levels identified in section 4502 of division D of this Act.

Section 1509—Defense Health Program

This section would authorize additional appropriations for the Defense Health Program at the levels identified in section 4502 of division D of this Act.

SUBTITLE B—FINANCIAL MATTERS

Section 1511—Treatment as Additional Authorizations

This section would state that amounts authorized to be appropriated by this title are in addition to amounts otherwise authorized to be appropriated by this Act.

Section 1512—Special Transfer Authority

This section would authorize the transfer of up to \$0.5 billion of additional war-related funding authorizations in this title among the accounts in this title. This section would not be applicable to Drug Interdiction and Counter Drug Activities, Defense-Wide.

SUBTITLE C—OTHER MATTERS

Section 1521—Afghanistan Security Forces Fund

This section would extend the Afghanistan Security Forces Fund through fiscal year 2020. This section would also set a goal of using \$45.5 million to support, to the extent practicable, the efforts of the Government of Afghanistan to promote the recruitment, training, integration, and retention of Afghan women into the Afghan National Defense and Security Forces.

This section would also require the Secretary of Defense, in consultation with the Secretary of State, to submit an assessment of the Government of Afghanistan's ability to meet shared security objectives and manage, employ, and sustain equipment divested under the Afghanistan Security Forces Fund. If the results of said assessment were unfavorable, the Secretary of Defense would be required to withhold assistance under the Afghanistan Security Forces Fund.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

LEGISLATIVE PROVISIONS

SUBTITLE A—SPACE ACTIVITIES

Section 1601—National Security Space Launch Program

This section would increase opportunities for competition by mandating that the Secretary of the Air Force compete contracts for any launches beyond 29

launches during the period from fiscal year 2020 to fiscal year 2024. This section would also mandate that the Secretary of the Air Force provide up to \$500.0 million to providers that either win a phase two contract after fiscal year 2022 or win a phase two contract but are not part of a launch service agreement, in order to meet national security-unique infrastructure and certification requirements for a phase two contract. This section would also mandate that the Secretary of Defense take such actions that are necessary to ensure that the supplier of an item to be procured for a phase two contract shall provide material information about the item to a national security launch provider to enable the provider to bid for a phase two contract.

This section would also mandate that the evaluation for a phase two contract account for the total investment made by the Department of Defense with respect to launch service agreements and engine development, and would require a notification of the selection in fiscal year 2020 of the two providers for phase two launches.

Section 1603—Space-Based Environmental Monitoring Mission Requirements

This section would require the Director of the National Reconnaissance Office to competitively procure and launch a modernized pathfinder not later than January 1, 2023, to mitigate risks related to cloud characterization and theater weather imagery requirements during the period between 2023 and 2025. It would also require a plan to procure and launch such a pathfinder.

This section would also require the Secretary of the Air Force to ensure that the electro-optical/infrared weather system satellite meets cloud characterization and theater weather imagery mission requirements, is procured using full and open competition through the use of competitive procedures, and is launched not later than September 30, 2025.

Section 1606—Independent Study on Plan for Deterrence in Space

This section would require an independent study on deterrence in space and would require this independent study to be assessed by the Defense Policy Board. This section would require the Secretary of Defense to submit a report containing the study and the assessment, and a description of any changes to the policies, programs, and plans of the Department of Defense that would enhance deterrence in space, to the congressional defense committees not later than 270 days after the date of the enactment of this Act.

SUBTITLE D—NUCLEAR FORCES

Section 1641—Improvement to Annual Report on the Modernization of the Nuclear Weapons Enterprise

This section would add a requirement to the annual report on nuclear modernization to quantify funding for nuclear modernization within the Department of Defense as a percentage of the military services' and the Department's acquisition budgets. This section would also require a long-term plan for nuclear weapons modernization. The section would extend the original reporting requirement date to 2024 and put the original requirement into United States Code.

Section 1647—Military-to-Military Dialogue to Reduce the Risk of Miscalculation Leading to Nuclear War

This section would require the Secretary of Defense to establish, not later than 60 days after the date of the enactment of this Act, a senior working group to engage in military-to-military dialogue with Russia, China, and North Korea as appropriate, to reduce the risk of miscalculation, unintended consequences, or accidents that could precipitate a nuclear war. This section would also require the Secretary to submit a report not later than 150 days after the date the on which the Secretary establishes the senior working group 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 these discussions and on recommendations for concrete, practical, near-term initiatives designed to reduce the risk of miscalculation leading to nuclear war.

Section 1649—Independent Study on Policy of No-First-Use of Nuclear Weapons

This section would require an independent study on the policy of no-first-use of nuclear weapons, including assessing the impacts such a policy would have on reducing the risk of miscalculation, on nuclear nonproliferation, on force structure requirements, and likely reactions from U.S. allies and adversaries. The section would require that the federally funded research and development center submit the study to the Secretary of Defense not later than 210 days after the date of the enactment of this Act, and that the Secretary submit the study to the congressional defense committees, House Committee on Foreign Affairs, and Senate Committee on Foreign Relations, not later than 240 days after the date of the enactment of this Act.

Section 1650—Independent Study on Extension of of Minuteman III Intercontinental Ballistic Missiles

This section would require the Secretary of Defense to conduct an independent study on extending the life of Minuteman III intercontinental ballistic missiles to 2050.

SUBTITLE E—MISSILE DEFENSE PROGRAMS

Section 1664—Tests Using Standard Missile 3 Block IIA Missile Interceptor

This section would modify the requirement in section 1680 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to test the standard missile-3 block IIA against an inter-continental ballistic missile threat by December 31, 2020.

Section 1665—Limitation on Availability of Funds for Development of Space-Based Ballistic Missile Intercept Layer

This section would modify a National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) requirement to develop a space-based test bed and would prohibit development of any missile defense capability that would be exclusively deployed in space.

SUBTITLE F—OTHER MATTERS

Section 1682—Repeal of Review Requirement for Ammonium Perchlorate Report

This section would repeal a requirement for the Government Accountability Office (GAO) to review a Department of Defense report on ammonium perchlorate. Section 1694 of the National Defense Authorization Act of Fiscal Year 2018 (Public Law 115-91) required the Department to submit a business case regarding the domestic industrial base for ammonium perchlorate and GAO to comment on the report. There is no data for GAO to review. In lieu of the report, the Department briefed the congressional defense committees in 2018 on the options for the Federal Government.

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

Section 2002—Expiration of Authorizations and Amounts Required to be Specified by Law

This section would ensure that the authorizations provided in titles XXI through XXVII and title XXIX of this Act shall expire on October 1, 2024, or the date of enactment of an Act authorizing funds for military construction for fiscal year 2025, whichever is later.

Section 2003—Effective Dates

This section would provide that titles XXI through XXIX (other than title XXVIII) of this Act would take effect on October 1, 2019, or the date of the enactment of this Act, whichever is later.

TITLE XXVIII—MILITARY CONSTRUCTION GENERAL PROVISIONS

LEGISLATIVE PROVISIONS

SUBTITLE A—MILITARY CONSTRUCTION PROGRAM CHANGES

Section 2801—Prohibition on Use of Military Construction Funds for Construction of a Wall, Fence, or Other Physical Barrier along the Southern Border of the United States

This section would prohibit the obligation, expense, or use of funds that have been authorized to be appropriated for military construction projects in fiscal years 2015 through 2020 to design or carry out a project to construct, replace, or modify a wall, fence, or other physical barrier along the international border between the United States and Mexico.

Section 2802—Modification and Clarification of Construction Authority in the Event of a Declaration of War or National Emergency

This section would amend section 2808 of title 10, United States Code, to limit the total cost of military construction projects undertaken during a national emergency to \$500.0 million, with a further limit of \$100.0 million for construction projects within the United States, would clarify the ability to waive any other provision of law, and would add elements to required congressional notifications.

Section 2804—Improved Consultation with Tribal Governments when Proposed Military Construction Projects Potentially Impact Indian Tribes

This section would require the military departments to certify that consultation between the military service and an impacted tribe has begun for any project with the potential to impact Native American lands, culturally connected locations, or tribal treaty rights. The certification shall include the following:

(1) if there are no impacts, the certification shall state either that there was no need for consultation because of no land or treaty interest, or that consultation did occur, the tribes that were consulted, and that there was mutual agreement that the project has no impact on tribal lands, culturally connected locations, or tribal treaty rights; and

(2) if there is an impact, the certification shall include the tribes that were consulted, the anticipated impacts, and the estimated cost of the impact.

SUBTITLE F—WHITE SANDS NATIONAL PARK ESTABLISHMENT ACT

Section 2861—Short Title

This section would provide the short title for the White Sands National Park Establishment Act.

Section 2862—Definitions

This section would provide the definitions of terms under the White Sands National Park Establishment Act.

Section 2863—Findings

This section would provide congressional findings related to the White Sands National Park Establishment Act.

Section 2864—Establishment of White Sands National Park in the State of New Mexico

This section would establish the White Sands National Park in the State of New Mexico. Nothing in this section affects the authority of a State to redesignate areas under Clean Air Act, Section 164 (42 USC 7474).

Section 2865—Transfers of Administrative Jurisdiction Related to the National Park and White Sands Missile Range

This section would transfer administrative jurisdiction of land from the Secretary of the Army to the Secretary of the Interior in exchange for other parcels which would be transferred from the Secretary of the Interior to the Secretary of the Army.

Section 2866—Boundary Modifications Related to the National Park and Missile Range

This section would direct the Secretary of the Army and Secretary of Interior to coordinate in the preparation of a map reflecting the new boundary of the White Sands National Park.

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

TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

LEGISLATIVE PROVISIONS

SUBTITLE A—NATIONAL SECURITY PROGRAM AUTHORIZATIONS

Section 3101—National Nuclear Security Administration

This section would authorize appropriations for the National Nuclear Security Administration for fiscal year 2020, including funds for weapons activities, defense nuclear nonproliferation programs, naval reactor programs, and federal salaries and expenses, at the levels specified in the funding table in division D of this Act.

Section 3102—Defense Environmental Cleanup

This section would authorize appropriations for defense environmental cleanup activities for fiscal year 2020 at the levels specified in the funding table in division D of this Act.

Section 3103—Other Defense Activities

This section would authorize appropriations for other defense activities for the Department of Energy for fiscal year 2020 at the levels specified in the funding table in division D of this Act.

Section 3104—Nuclear Energy

This section would authorize appropriations for certain nuclear energy programs for the Department of Energy for fiscal year 2020 at the levels specified in the funding table in division D of this Act.

SUBTITLE B—PROGRAM AUTHORIZATIONS, RESTRICTIONS, AND LIMITATIONS

Section 3113—Clarification of Certain Stockpile Responsiveness Program Objectives

This section would clarify the requirements in section 2538(b) of title 50, United States Code, and tie the requirement for prototypes to intelligence requirements.

Section 3118—Replacement of W78 Warhead

This section would require the Administrator for Nuclear Security to conduct an analysis of alternatives with respect to replacing the W78 warhead, and require the Director of Cost Estimation and Program Evaluation to review the analysis of alternatives. The section would further limit funds for the W78 replacement program until the analysis of alternatives is submitted to the congressional defense committees. Lastly, this section would require an

independent study of the need of the W78 replacement and related certification issues.

DIVISION D—FUNDING TABLES

Section 4001—Authorization of Amounts in Funding Tables

This section 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 guidance in accordance with established procedures.

Consistent with the previously expressed views of the committee, this section would also require that a decision by an agency head to commit, obligate, or expend funds to a specific entity on the basis of such funding tables be based on merit-based selection procedures in accordance with the requirements of section 2304(k) and section 2374 of title 10, United States Code, and other applicable provisions of law.

BILL LANGUAGE

1 **Subtitle A—Authorization of**
2 **Appropriations**

3 **SEC. 101 [Log 69399]. AUTHORIZATION OF APPROPRIA-**
4 **TIONS.**

5 Funds are hereby authorized to be appropriated for
6 fiscal year 2020 for procurement for the Army, the Navy
7 and the Marine Corps, the Air Force, and Defense-wide
8 activities, as specified in the funding table in section 4101.

1 **Subtitle A—Authorization of**
2 **Appropriations**

3 **SEC. 201 [Log 69401]. AUTHORIZATION OF APPROPRIA-**
4 **TIONS.**

5 Funds are hereby authorized to be appropriated for
6 fiscal year 2020 for the use of the Department of Defense
7 for research, development, test, and evaluation, as speci-
8 fied in the funding table in section 4201.

1 **Subtitle A—Authorization of**
2 **Appropriations**

3 **SEC. 301 [Log 69402]. AUTHORIZATION OF APPROPRIA-**
4 **TIONS.**

5 Funds are here by authorized to be appropriated for
6 fiscal year 2020 for the use of the Armed Forces and other
7 activities and agencies of the Department of Defense for
8 expenses, not otherwise provided for, for operation and
9 maintenance, as specified in the funding table in section
10 4301.

1 **SEC. 344 [Log 69881]. EXTENSION OF AUTHORITY OF SEC-**
2 **RETARY OF TRANSPORTATION TO ISSUE**
3 **NON-PREMIUM AVIATION INSURANCE.**

4 Section 44310(b) of title 49, United States Code, is
5 amended by striking “December 31, 2019” and inserting
6 “September 30, 2023”.

1 **Subtitle C—Authorization of**
2 **Appropriations**

3 **SEC. 421 [log69189]. MILITARY PERSONNEL.**

4 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds
5 are hereby authorized to be appropriated for fiscal year
6 2020 for the use of the Armed Forces and other activities
7 and agencies of the Department of Defense for expenses,
8 not otherwise provided for, for military personnel, as spec-
9 ified in the funding table in section 4401.

10 (b) CONSTRUCTION OF AUTHORIZATION.—The au-
11 thorization of appropriations in the subsection (a) super-
12 sedes any other authorization of appropriations (definite
13 or indefinite) for such purpose for fiscal year 2020.

1 **Subtitle C—General Service Au-**
2 **thorities and Correction of Mili-**
3 **tary Records**

4 **SEC. 521 [log70225]. ESTABLISHMENT OF BOARD OF AP-**
5 **PEALS REGARDING DENIED REQUESTS FOR**
6 **UPGRADED DISCHARGES AND DISMISSALS.**

7 (a) ESTABLISHMENT.—Chapter 79 of title 10,
8 United States Code, is amended by inserting after section
9 1553 the following new section 1553a:

10 **“§ 1553a. Board of Discharge Appeals**

11 “(a) ESTABLISHMENT.—(1) The Secretary of De-
12 fense shall establish a Board of Discharge Appeals to hear
13 appeals of requests for upgraded discharges and dismiss-
14 als under section 1553 of this title that are denied by
15 the service review agencies.

16 “(2) The Board of Discharge Appeals shall consist
17 of not fewer than three members appointed by the Sec-
18 retary.

19 “(b) APPEAL.—(1) Upon the request of an appellant,
20 the Board of Discharge Appeals shall review the findings
21 and decisions of a service review agency regarding the re-
22 view of the discharge or dismissal of the appellant.

23 “(2) The Board of Discharge Appeals may direct the
24 Secretary of the military department concerned to change

1 the discharge or dismissal of an appellant, or issue a new
2 discharge for an appellant, to reflect its findings.

3 “(c) DEFINITIONS.—In this section:

4 “(1) The term ‘appellant’ means a former mem-
5 ber of the armed forces (or if the former member is
6 dead, the surviving spouse, next of kin, or legal rep-
7 resentative of the former member) whose request for
8 an upgraded discharge or dismissal was denied by a
9 service review agency.

10 “(2) The term ‘service review agency’ has the
11 meaning given that term in section 1555 of this
12 title.”.

13 (b) TECHNICAL AND CONFORMING AMENDMENTS.—

14 (1) TABLE OF SECTIONS.—The table of sections
15 at the beginning of such chapter is amended by in-
16 sserting after the item relating to section 1553 the
17 following new item:

“1553a. Board of Discharge Appeals.”.

18 (2) CONFORMING AMENDMENT.—Section
19 1553(b) of title 10, United States Code, is amend-
20 ed—

21 (A) by inserting “(1)” before “A board”;
22 and

23 (B) by adding at the end the following new
24 paragraph:

1 “(2) If a board of review established by the Secretary
2 of a military department denies a request for an upgraded
3 discharge or dismissal, that denial may be appealed to the
4 Board of Discharge Appeals under section 1553a of this
5 title.”.

6 (c) DEADLINE.—The Secretary of Defense shall es-
7 tablish and implement the Board of Discharge Appeals
8 under such section 1553a of title 10, United States Code,
9 as added by subsection (a), not later than September 30,
10 2020.

11 (d) TRAINING.—Each member of the Board of Dis-
12 charge Appeals established under such section 1553a shall
13 receive training under section 534(c) of the National De-
14 fense Authorization Act for Fiscal Year 2017 (Public Law
15 114–328; 10 U.S.C. 1552 note).

16 (e) REPORTING.—

17 (1) REPORT.—Not later than April 1, 2021, the
18 Secretary of Defense shall submit to the Committees
19 on Armed Services of the Senate and the House of
20 Representatives a report regarding the Board of
21 Discharge Appeals established under such section
22 1553a. The report shall include, with respect to ap-
23 peals heard by the Board of Discharge Appeals since
24 implementation, the following:

25 (A) The number of appeals heard.

1 (B) The number of appeals granted.

2 (C) The number of appeals denied, includ-
3 ing the reasons for such denials.

4 (D) A summary of any differences between
5 reviews under section 1553 of title 10, United
6 States Code, and appeals under section 1553a
7 of such title.

8 (2) ONLINE PUBLICATION.—On October 1 of
9 each year starting in 2022, the Secretary shall pub-
10 lish online the information described in subpara-
11 graphs (A), (B), and (C) of paragraph (1) with re-
12 gards to the preceding fiscal year.

1 **SEC. 573 [log 69707]. CONTINUED ASSISTANCE TO SCHOOLS**
2 **WITH SIGNIFICANT NUMBERS OF MILITARY**
3 **DEPENDENT STUDENTS.**

4 (a) ASSISTANCE TO SCHOOLS WITH SIGNIFICANT
5 NUMBERS OF MILITARY DEPENDENT STUDENTS.—Of the
6 amount authorized to be appropriated for fiscal year 2020
7 in Division D of this Act and available for operation and
8 maintenance for Defense-wide activities as specified in the
9 funding table in Section 4301 of this Act, \$40,000,000
10 shall be available only for the purpose of providing assist-
11 ance to local educational agencies under subsection (a) of
12 section 572 of the National Defense Authorization Act for
13 Fiscal Year 2006 (Public Law 109–163; 20 U.S.C.
14 7703b).

15 (b) IMPACT AID FOR CHILDREN WITH SEVERE DIS-
16 ABILITIES.—Of the amount authorized to be appropriated
17 for fiscal year 2020 in Division D of this Act and available
18 for operation and maintenance for Defense-wide activities
19 as specified in the funding table in Section 4301 of this
20 Act, \$10,000,000 shall be available for payments under
21 section 363 of the Floyd D. Spence National Defense Au-
22 thorization Act for Fiscal Year 2001 (Public Law 106–
23 398; 20 U.S.C. 7703a).

24 (c) LOCAL EDUCATIONAL AGENCY DEFINED.—In
25 this section, the term “local educational agency” has the
26 meaning given that term in section 7013(9) of the Ele-

1 elementary and Secondary Education Act of 1965 (20 U.S.C.
2 7713(9)).

1 **SEC. 624 [log70226]. CONSIDERATION OF SERVICE ON AC-**
2 **TIVE DUTY TO REDUCE AGE OF ELIGIBILITY**
3 **FOR RETIRED PAY FOR NON-REGULAR SERV-**
4 **ICE.**

5 Section 12731(f)(2)(B)(i) of title 10, United States
6 Code, is amended by striking “under a provision of law
7 referred to in section 101(a)(13)(B) or under section
8 12301(d)” and inserting “under section 12301(d) or
9 12304b of this title, or under a provision of law referred
10 to in section 101(a)(13)(B)”.

1 **Subtitle A—TRICARE and Other**
2 **Health Care Benefits**

3 **SEC. 701.[Log 70227] CONTRACEPTION COVERAGE PARITY**
4 **UNDER THE TRICARE PROGRAM.**

5 (a) IN GENERAL.—Section 1074d of title 10, United
6 States Code, is amended—

7 (1) in subsection (a), by inserting “FOR MEM-
8 BERS AND FORMER MEMBERS” after “SERVICES
9 AVAILABLE”;

10 (2) by redesignating subsection (b) as sub-
11 section (d); and

12 (3) by inserting after subsection (a) the fol-
13 lowing new subsections:

14 “(b) CARE RELATED TO PREVENTION OF PREG-
15 NANCY.—Female covered beneficiaries shall be entitled to
16 care related to the prevention of pregnancy described by
17 subsection (d)(3).

18 “(c) PROHIBITION ON COST-SHARING FOR CERTAIN
19 SERVICES.—Notwithstanding section 1074g(a)(6), section
20 1075, or section 1075a of this title, or any other provision
21 of law, cost-sharing may not be imposed or collected for
22 care related to the prevention of pregnancy provided pur-
23 suant to subsection (a) or (b), including for any method
24 of contraception provided, whether provided through a fa-
25 cility of the uniformed services, the TRICARE retail phar-

1 macy program, or the national mail-order pharmacy pro-
2 gram.”.

3 (b) CONFORMING AMENDMENT.—Section
4 1077(a)(13) of such title is amended by striking “section
5 1074d(b)” and inserting “section 1074d(d)”.

1 **Subtitle A—Acquisition Policy and**
2 **Management**

3 **SEC. 801.[Log 69933] ESTABLISHMENT OF ACQUISITION**
4 **PATHWAYS FOR SOFTWARE APPLICATIONS**
5 **AND SOFTWARE UPGRADES.**

6 (a) GUIDANCE REQUIRED.—Not later than March 1,
7 2020, the Secretary of Defense shall establish guidance
8 authorizing the use of acquisition pathways described in
9 subsection (b) for the rapid acquisition of software appli-
10 cations and software upgrades that are intended to be
11 fielded within one year. A contract awarded under this sec-
12 tion—

13 (1) shall be in an amount equal to or less than
14 \$50,000,000; and

15 (2) may be entered into for a period of not
16 more than one year.

17 (b) SOFTWARE ACQUISITION PATHWAYS.—The guid-
18 ance required by subsection (a) shall provide for the use
19 of the following two acquisition pathways:

20 (1) APPLICATIONS.—The applications pathway
21 shall provide for the use of rapid development and
22 implementation of software applications to be used
23 with commercially available hardware.

24 (2) UPGRADES.—The upgrades pathway shall
25 provide for the rapid development and insertion of

1 software upgrades for embedded weapon systems or
2 another hardware system solely used by the Depart-
3 ment of Defense.

4 (c) GENERAL REQUIREMENTS.—The guidance re-
5 quired by subsection (a) shall provide for—

6 (1) the use of proven technologies and solutions
7 to continuously engineer, update, and deliver capa-
8 bilities in software; and

9 (2) a streamlined and coordinated require-
10 ments, budget, and acquisition process that results
11 in the rapid fielding of software applications and
12 software upgrades.

13 (d) EXPEDITED PROCESS.—

14 (1) IN GENERAL.—An acquisition conducted
15 under the guidance required by subsection (a) shall
16 not be subject to the Joint Capabilities Integration
17 and Development System Manual and Department
18 of Defense Directive 5000.01, except to the extent
19 specifically provided in such guidance.

20 (2) REQUIREMENTS PROCESS.—The guidance
21 required by subsection (a) shall provide that the re-
22 quirements for acquisition of software applications
23 and software upgrades—

24 (A) are developed, refined, and prioritized
25 on an iterative basis through continuous partici-

1 pation and collaboration by users, testers, and
2 requirements authorities;

3 (B) include an identification of the need
4 for, and users of, the software to be acquired
5 and a rationale for how the software will sup-
6 port increased efficiency of the Department of
7 Defense;

8 (C) are stated in the form of a summary-
9 level list of vulnerabilities in existing software
10 systems and desired features or capabilities of
11 the software to be acquired; and

12 (D) consider issues related to lifecycle
13 costs, systems interoperability, and logistics
14 support if the developer of the software to be
15 acquired stops providing support.

16 (4) EXECUTION OF RAPID ACQUISITIONS.—The
17 Secretary shall ensure that—

18 (A) an acquisition conducted under the
19 guidance required by subsection (a) is sup-
20 ported by an entity capable of regular auto-
21 mated testing of the source code of the software
22 to be acquired and that such entity is author-
23 ized to buy storage, bandwidth, and computing
24 capability as necessary;

1 (B) the Department of Defense can collect
2 and analyze the testing data described in sub-
3 paragraph (A) to make decisions regarding soft-
4 ware acquisition and oversight;

5 (C) the Director of Operational Test and
6 Evaluation and the project manager appointed
7 under paragraph (5) design test cases to ensure
8 that the entity described in subparagraph (A)
9 can test the software to be acquired to ensure
10 such software meets the requirements of the
11 contract;

12 (D) the project manager appointed under
13 paragraph (5) closely monitors the progress of
14 an acquisition conducted under the guidance re-
15 quired by subsection (a);

16 (E) an independent cost estimate is con-
17 ducted that considers—

18 (i) the iterative process of the develop-
19 ment of the software to be acquired; and

20 (ii) the long-term value of the soft-
21 ware to be acquired to the Department of
22 Defense, not based on the value of indi-
23 vidual lines of source code of the software;

24 (F) the performance of fielded versions of
25 the software to be acquired are demonstrated

1 and evaluated in an operational environment;
2 and

3 (G) performance metrics of the software to
4 be acquired, such as metrics relating to when
5 the software can be fielded, delivery capabilities
6 of the software (including speed of recovery
7 from outages and cybersecurity vulnerabilities),
8 and assessments and estimations of the size
9 and complexity of such software, are automati-
10 cally generated on a continuous basis and made
11 available to the Department of Defense and the
12 congressional defense committees.

13 (5) ADMINISTRATION OF SOFTWARE ACQUISI-
14 TION PATHWAYS.—The guidance required by sub-
15 section (a) may provide for the use of any of the fol-
16 lowing streamlined procedures:

17 (A) The service acquisition executive of the
18 military department concerned shall appoint a
19 project manager for each acquisition of software
20 applications and software upgrades, as deter-
21 mined by the service acquisition executive. Such
22 project manager shall be appointed from among
23 civilian employees or members of the Armed
24 Forces who have significant and relevant expe-
25 rience in current software processes.

1 (B) Each project manager shall report
2 with respect to such acquisition directly, and
3 without intervening review or approval, to the
4 service acquisition executive of the military de-
5 partment concerned.

6 (C) The service acquisition executive of the
7 military department concerned shall evaluate
8 the job performance of such manager on an an-
9 nual basis. In conducting an evaluation under
10 this paragraph, a service acquisition executive
11 shall consider the extent to which the manager
12 has achieved the objectives of the acquisition
13 for which the manager is responsible, including
14 quality, timeliness, and cost objectives.

15 (D) The project manager shall be author-
16 ized staff positions for a technical staff, includ-
17 ing experts in software engineering to enable
18 the manager to manage the acquisition without
19 the technical assistance of another organiza-
20 tional unit of an agency to the maximum extent
21 practicable.

22 (E) The project manager shall be author-
23 ized, in coordination with the users and testers
24 of the software to be acquired, to make trade-

1 offs among lifecycle costs, requirements, and
2 schedules to meet the goals of the acquisition.

3 (F) The service acquisition executive or the
4 Under Secretary of Defense for Acquisition and
5 Sustainment, as applicable, shall serve as the
6 decision authority for the acquisition.

7 (G) The project manager of a defense
8 streamlined acquisition shall be provided a
9 process to expeditiously seek a waiver from
10 Congress from any statutory or regulatory re-
11 quirement that the project manager determines
12 adds little or no value to the management of
13 the acquisition.

14 (e) CONTRACT TERMS.—

15 (1) IN GENERAL.—A contract entered into pur-
16 suant to the guidance required by subsection (a)—

17 (A) may be awarded within a 90-day pe-
18 riod after solicitation on the basis of—

19 (i) statements of qualifications and
20 past performance data submitted by
21 offerors; and

22 (ii) discussions with two or more
23 qualified offerors without regard to price;

24 (B) may be a time-and-materials contract;

1 (C) shall be treated as a contract for the
2 acquisition of commercial services (as defined in
3 section 103a of title 41, United States Code, as
4 in effect on January 1, 2020);

5 (D) shall identify the individuals to per-
6 form the work of the contract, and such individ-
7 uals may not be replaced without the advance
8 written consent of the contracting officer; and

9 (E) may allow for a contractor performing
10 the work of the contract to review existing soft-
11 ware in consultation with the user community
12 and incorporate user feedback to—

13 (i) define and prioritize software re-
14 quirements; and

15 (ii) design and implement new soft-
16 ware applications and software upgrades.

17 (2) OPTIONS.—A contract entered into pursu-
18 ant to the guidance required by subsection (a) may
19 contain an option to extend the contract once, for a
20 period not to exceed one year, to complete the imple-
21 mentation of one or more specified software applica-
22 tions and software upgrades identified during the
23 period of the initial contract. Such an option may
24 not be in an amount greater than \$100,000,000
25 and—

1 (A) if the option is a time-and-materials
2 contract, it shall be treated as a contract for
3 the acquisition of commercial services (as de-
4 fined in section 103a of title 41, United States
5 Code); and

6 (B) if the option is a fixed-price contract,
7 it shall be treated as a contract for the acquisi-
8 tion of commercial products (as defined in sec-
9 tion 103 of title 41, United States Code).

10 (f) RULE OF CONSTRUCTION.—Nothing in this sec-
11 tion shall be deemed to prevent the use of other methods
12 of acquisition to procure software applications and up-
13 grades.

14 (g) CONFORMING AMENDMENT.—Section 2430(a)(2)
15 of title 10, United States Code, is amended—

16 (1) in subparagraph (A), by striking “or” at
17 the end;

18 (2) in subparagraph (B), by striking the period
19 at the end and inserting “; or”; and

20 (3) by adding at the end the following new sub-
21 paragraph:

22 “(C) an acquisition program for software
23 applications and software upgrades carried out
24 using the acquisition guidance issued pursuant

1 to section 801 of the National Defense Author-
2 ization Act for Fiscal Year 2020.”.

1 **SEC. 802.[Log 69931] SOFTWARE DEVELOPMENT AND SOFT-**
2 **WARE ACQUISITION TRAINING AND MANAGE-**
3 **MENT PROGRAMS.**

4 (a) ESTABLISHMENT OF SOFTWARE DEVELOPMENT
5 AND SOFTWARE ACQUISITION TRAINING AND MANAGE-
6 MENT PROGRAMS.—

7 (1) IN GENERAL.—The Secretary of Defense,
8 acting through the Under Secretary of Defense for
9 Acquisition and Sustainment and in consultation
10 with the Under Secretary of Defense for Research
11 and Engineering and the Chief Information Officer
12 of the Department of Defense, shall establish soft-
13 ware development and software acquisition training
14 and management programs for all software acquisi-
15 tion professionals, software developers, and other ap-
16 propriate individuals, as determined by the Secretary
17 of Defense to earn a certification in software devel-
18 opment and software acquisition.

19 (2) PROGRAM CONTENTS.—The programs es-
20 tablished under paragraph (1) shall—

21 (A) develop and expand the use of special-
22 ized training programs for chief information of-
23 ficers of the military departments and the De-
24 fense Agencies, service acquisition executives,
25 program executive officers, and program man-
26 agers to include training on and experience in—

1 (i) continuous software development;

2 and

3 (ii) acquisition pathways available to
4 acquire software;

5 (B) ensure program managers for major
6 defense acquisition programs, defense business
7 systems, and other software programs of the
8 Department of Defense—

9 (i) have demonstrated competency in
10 current software processes;

11 (ii) have the skills to lead a workforce
12 that can quickly meet challenges, use soft-
13 ware tools that prioritize continuous or fre-
14 quent upgrades as such tools become avail-
15 able, take up opportunities provided by
16 new innovations, and plan software activi-
17 ties in short iterations to learn from risks
18 of software testing; and

19 (iii) have the experience and training
20 to delegate technical oversight and execu-
21 tion decisions; and

22 (C) include continuing education courses
23 and experiential training to help individuals
24 maintain skills learned through the programs.

25 (b) REPORTS.—

1 (1) REPORTS REQUIRED.—The Secretary shall
2 submit to the congressional defense committees—

3 (A) not later than 90 days after the date
4 of the enactment of this Act, an initial report;
5 and

6 (B) not later than one year after the date
7 of the enactment of this Act, a final report.

8 (2) CONTENTS.—Each report required under
9 paragraph (1) shall include—

10 (A) the status of implementing the soft-
11 ware development and software acquisition
12 training and management programs established
13 under subsection (a)(1);

14 (B) a description of the requirements for
15 certification, including the requirements for
16 competencies in current software processes;

17 (C) a description of potential career paths
18 in software development and software acquisi-
19 tion within the Department of Defense;

20 (D) an independent assessment conducted
21 by the Defense Innovation Board of the
22 progress made on implementing the programs
23 established under subsection (a)(1); and

24 (E) any recommendations for changes to
25 existing law to facilitate the implementation of

1 the programs established under subsection
2 (a)(1).

3 (c) DEFINITIONS.—In this section:

4 (1) PROGRAM EXECUTIVE OFFICER; PROGRAM
5 MANAGER.—The terms “program executive officer”
6 and “program manager” have the meanings given
7 those terms, respectively, in section 1737 of title 10,
8 United States Code.

9 (2) SERVICE ACQUISITION EXECUTIVE.—The
10 terms “military department”, “Defense Agency”,
11 and “service acquisition executive” have the mean-
12 ings given those terms, respectively, in section 101
13 of title 10, United States Code.

14 (3) MAJOR DEFENSE ACQUISITION PROGRAM.—
15 The term “major defense acquisition program” has
16 the meaning given in section 2430 of title 10,
17 United States Code.

18 (4) DEFENSE BUSINESS SYSTEM.—The term
19 “defense business system” has the meaning given in
20 section 2222(i)(1) of title 10, United States Code.

1 **SEC. 803.[Log 70152] SUPPLY CHAIN SECURITY OF CERTAIN**
2 **TELECOMMUNICATIONS AND VIDEO SUR-**
3 **VEILLANCE SERVICES OR EQUIPMENT.**

4 (a) ASSESSMENT.—The Secretary of Defense, in con-
5 sultation with the Federal Acquisition Security Council
6 (established under section 1322 of title 41, United States
7 Code) and the Director of the Office of Management and
8 Budget, shall conduct a comprehensive assessment of—

9 (1) Department of Defense policies relating to
10 covered equipment and services;

11 (2) covered equipment and services acquired or
12 to be acquired for the Department; and

13 (3) systems of covered contractors to ensure the
14 security of the supply chains of such covered con-
15 tractor.

16 (b) PURPOSE.—The assessment described in sub-
17 section (a) shall include—

18 (1) an identification of instances in which the
19 Federal Acquisition Security Council has identified
20 supply chain risks (as defined in section 4713(k) of
21 title 41, United States Code) that are specific to the
22 defense industrial base and other threat assessments
23 related to the procurement of covered articles (as de-
24 fined in such section);

25 (2) an identification of and suggestions for
26 guidance on the process of debarment and suspen-

1 sion (including debarment and suspension for non-
2 procurement programs and activities) of covered
3 contractors to address supply chain risks relating to
4 acquisitions for the Department of Defense, includ-
5 ing acquisitions involving other executive agencies;
6 and

7 (3) an identification of steps that could be
8 taken to address situations identified under para-
9 graphs (1) and (2) through the Interagency Suspen-
10 sion and Debarment Committee established under
11 Executive Order 12549 (51 Fed. Reg. 6370).

12 (c) ACTIONS FOLLOWING ASSESSMENT.—Not later
13 than 180 days after the date of the enactment of this Act,
14 the Secretary shall, based on the results of the assessment
15 required by subsection (a)—

16 (1) issue or revise guidance to ensure any entity
17 within the Department of Defense that procures cov-
18 ered equipment and services implements a risk-based
19 approach with respect to such a procurement that
20 addresses—

21 (A) requirements for training personnel;

22 (B) the process for making sourcing deci-
23 sions;

24 (C) with respect to a procurement of tele-
25 communications equipment or video surveillance

1 equipment, assurances relating to the
2 traceability of parts of such equipment;

3 (D) the process for reporting suspect cov-
4 ered equipment and services; and

5 (E) corrective actions for the acquisition of
6 suspect covered equipment and services (includ-
7 ing actions to recover costs as described in sub-
8 section (d)(2));

9 (2) issue or revise guidance to ensure that re-
10 medial actions, including debarment or suspension,
11 are taken with respect to a covered contractor who
12 has failed to detect and avoid suspect covered equip-
13 ment and services or otherwise failed to exercise due
14 diligence in the detection and avoidance of such sus-
15 pect covered equipment and services;

16 (3) establish a process for ensuring that a De-
17 partment of Defense employee provide a written re-
18 port to the appropriate Government authorities and
19 the Government-Industry Data Exchange Program
20 (or a similar program designated by the Secretary)
21 not later than 60 days after such an employee be-
22 comes aware, or has reason to suspect that—

23 (A) any end item, component, part, or ma-
24 terial contained in supplies purchased by or for

1 the Department contains suspect covered equip-
2 ment and services; or

3 (B) a covered contractor has provided sus-
4 spect covered equipment and services; and

5 (4) establish a process for analyzing, assessing,
6 and acting on reports of suspect covered equipment
7 and services that are submitted in accordance with
8 paragraph (3).

9 (d) REGULATIONS.—

10 (1) IN GENERAL.—Not later than 270 days
11 after the date of the enactment of this Act, the Sec-
12 retary shall revise the Department of Defense Sup-
13 plement to the Federal Acquisition Regulation to ad-
14 dress the detection and avoidance of suspect covered
15 equipment and services.

16 (2) CONTRACTOR RESPONSIBILITIES.—The re-
17 vised regulations issued pursuant to paragraph (1)
18 shall provide that—

19 (A) covered contractors who supply covered
20 equipment or services are responsible for detect-
21 ing and avoiding the use or inclusion of suspect
22 covered equipment or services and for any con-
23 tract modification or corrective action that may
24 be required to remedy the use or inclusion of
25 such suspect covered equipment or services; and

1 (B) the cost of suspect covered equipment
2 or services and the cost of contract modification
3 or corrective action that may be required to
4 remedy the use or inclusion of such suspect cov-
5 ered equipment or services are not allowable
6 costs under defense contracts, unless—

7 (i) the covered contractor has an oper-
8 ational system to detect and avoid suspect
9 covered equipment or services that has
10 been reviewed and approved by the Sec-
11 retary pursuant to subsection (e)(2)(B);

12 (ii) suspect covered equipment or serv-
13 ices were provided to the covered con-
14 tractor as Government property in accord-
15 ance with part 45 of the Federal Acquisi-
16 tion Regulation or were obtained by the
17 covered contractor in accordance with reg-
18 ulations described in paragraph (3); and

19 (iii) the covered contractor discovers
20 the suspect covered equipment or services
21 and provides timely notice to the Govern-
22 ment pursuant to paragraph (4).

23 (3) REQUIREMENTS FOR SUPPLIERS.—The re-
24 vised regulations issued pursuant to paragraph (1)
25 shall—

1 (A) require that covered contractors obtain
2 covered equipment or services—

3 (i) from the original manufacturers of
4 the equipment or their authorized dealers,
5 or from suppliers that meet requirements
6 of subparagraph (C) or (D) and, with re-
7 spect to suppliers of telecommunications
8 equipment or video surveillance equipment,
9 that obtain such equipment exclusively
10 from the original manufacturers of the
11 parts of such equipment or their author-
12 ized dealers; and

13 (ii) that are not in production or cur-
14 rently available in stock from suppliers
15 that meet requirements of subparagraph
16 (C) or (D);

17 (B) establish requirements for notification
18 of the Department, and for inspection, testing,
19 and authentication of covered equipment and
20 services that covered contractor obtains from an
21 alternate supplier;

22 (C) establish qualification requirements,
23 consistent with the requirements of section
24 2319 of title 10, United States Code, pursuant
25 to which the Secretary may identify suppliers

1 that have appropriate policies and procedures in
2 place to detect and avoid suspect covered equip-
3 ment and services; and

4 (D) authorize covered contractors to iden-
5 tify and use suppliers that meet qualification
6 requirements, provided that—

7 (i) the standards and processes for
8 identifying such suppliers comply with es-
9 tablished industry standards; and

10 (ii) the selection of such suppliers is
11 subject to review, audit, and approval by
12 appropriate Department of Defense offi-
13 cials.

14 (4) REPORTING REQUIREMENT.—The revised
15 regulations issued pursuant to paragraph (1) shall
16 require that any covered contractor provide a written
17 report to the appropriate Government authorities
18 and the Government-Industry Data Exchange Pro-
19 gram (or a similar program designated by the Sec-
20 retary) not later than 60 days after such covered
21 contractor becomes aware, or has reason to suspect
22 that—

23 (A) any end item, component, part, or ma-
24 terial contained in supplies purchased by or for

1 the Department contains suspect covered equip-
2 ment and services; or

3 (B) a supplier of a covered contractor has
4 provided suspect covered equipment and serv-
5 ices.

6 (e) IMPROVEMENT OF CONTRACTOR SYSTEMS FOR
7 DETECTION AND AVOIDANCE OF SUSPECT COVERED
8 EQUIPMENT AND SERVICES.—

9 (1) IN GENERAL.—Not later than 270 days
10 after the date of the enactment of this Act, the Sec-
11 retary shall implement a program to enhance the de-
12 tection and avoidance of the acquisition of suspect
13 covered equipment and services by covered contrac-
14 tors.

15 (2) ELEMENTS.—The program implemented
16 pursuant to paragraph (1) shall—

17 (A) require covered contractors to establish
18 policies and procedures to eliminate suspect
19 covered equipment and services from the de-
20 fense supply chain, which policies and proce-
21 dures shall address—

22 (i) the training of personnel; and

23 (ii) with respect to a procurement of
24 telecommunications equipment or video
25 surveillance equipment, the inspection and

1 testing of related materials and mecha-
2 nisms to enable traceability of parts of
3 such equipment; and

4 (B) establish processes for the review and
5 approval of contractor systems for the detection
6 and avoidance of the acquisition of suspect cov-
7 ered equipment and services by covered contrac-
8 tors, which processes shall be comparable to the
9 processes established for contractor business
10 systems under section 893 of the Ike Skelton
11 National Defense Authorization Act for Fiscal
12 Year 2011 (Public Law 111–383; 124 Stat.
13 4311; 10 U.S.C. 2302 note).

14 (f) RULE OF CONSTRUCTION.—Nothing in this sec-
15 tion shall be construed to prohibit the Secretary from en-
16 tering into a contract with a covered contractor to provide
17 a service that connects to the facilities of a third party,
18 such as backhaul, roaming, or interconnection arrange-
19 ments.

20 (g) REPORT TO CONGRESS.—Not later than 180 days
21 after completing the assessment required under subsection
22 (a), the Secretary shall submit to the congressional de-
23 fense committees a report on the results of the assessment
24 and the actions taken following the assessment pursuant
25 to subsection (c).

1 (h) DEFINITIONS.—In this section:

2 (1) COVERED EQUIPMENT AND SERVICES.—The
3 term “covered equipment and services” means tele-
4 communications equipment, telecommunications
5 services, video surveillance equipment, and video sur-
6 veillance services manufactured or controlled by an
7 entity for which the principal place of business of
8 such entity is located in foreign country that is an
9 adversary of the United States, but does not include
10 telecommunications equipment or video surveillance
11 equipment (other than optical transmission compo-
12 nents) that cannot route or redirect user data traffic
13 or permit visibility into any user data or packets
14 that such equipment transmits or otherwise handles.

15 (2) COVERED CONTRACTOR.—The term “cov-
16 ered contractor” means a contractor or subcon-
17 tractor (at any tier) that supplies covered equipment
18 and services to the Department of Defense.

19 (3) EXECUTIVE AGENCY.—The term “executive
20 agency” has the meaning given in section 133 of
21 title 41, United States Code.

22 (4) SECRETARY.—The term “Secretary” means
23 the Secretary of Defense.

24 (5) SUSPECT COVERED EQUIPMENT AND SERV-
25 ICES.—The term “suspect covered equipment and

1 services” means covered equipment and services that
2 is from any source, or that is a covered article, sub-
3 ject to an exclusion order or removal order under
4 section 1323(c) of title 41, United States Code.

1 **SEC. 806.[Log 70092] REPEAL OF CONTINUATION OF DATA**
2 **RIGHTS DURING CHALLENGES.**

3 (a) REPEAL.—Section 866 of the John S. McCain
4 National Defense Authorization Act for Fiscal Year 2019
5 (Public Law 115–232; 132 Stat. 1901; 10 U.S.C. 2321)
6 is repealed.

7 (b) RESTORATION OF AMENDED PROVISION.—Sub-
8 section (i) of section 2321 of title 10, United States Code,
9 is amended to read as follows:

10 “(i) RIGHTS AND LIABILITY UPON FINAL DISPOSI-
11 TION.—(1) If, upon final disposition, the contracting offi-
12 cer’s challenge to the use or release restriction is sus-
13 tained—

14 “(A) the restriction shall be cancelled; and

15 “(B) if the asserted restriction is found not to
16 be substantially justified, the contractor or subcon-
17 tractor asserting the restriction shall be liable to the
18 United States for payment of the cost to the United
19 States of reviewing the asserted restriction and the
20 fees and other expenses (as defined in section
21 2412(d)(2)(A) of title 28) incurred by the United
22 States in challenging the asserted restriction, unless
23 special circumstances would make such payment un-
24 just.

1 “(2) If, upon final disposition, the contracting offi-
2 cer’s challenge to the use or release restriction is not sus-
3 tained—

4 “(A) the United States shall continue to be
5 bound by the restriction; and

6 “(B) the United States shall be liable for pay-
7 ment to the party asserting the restriction for fees
8 and other expenses (as defined in section
9 2412(d)(2)(A) of title 28) incurred by the party as-
10 sserting the restriction in defending the asserted re-
11 striction if the challenge by the United States is
12 found not to be made in good faith.”.

1 **SEC. 807.[Log 69890] REPEAL OF AUTHORITY TO WAIVE AC-**
2 **QUISITION LAWS TO ACQUIRE VITAL NA-**
3 **TIONAL SECURITY CAPABILITIES.**

4 Section 806 of the National Defense Authorization
5 Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C.
6 2302 note) is repealed.

1 **SEC. 808.[Log 70091] REPEAL OF TRANSFER OF FUNDS RE-**
2 **LATED TO COST OVERRUNS AND COST**
3 **UNDERRUNS.**

4 (a) IN GENERAL.—Section 828 of the National De-
5 fense Authorization Act for Fiscal Year 2016 (Public Law
6 114–92; 10 U.S.C. 2430 note) is repealed.

7 (b) CONFORMING AMENDMENT.—Section 825 of the
8 National Defense Authorization Act for Fiscal Year 2018
9 (Public Law 115–91; 131 Stat. 1466) is amended—

10 (1) by repealing subsection (b); and

11 (2) by striking “(a) IN GENERAL.—”.

1 **Subtitle B—Amendments to Gen-**
2 **eral Contracting Authorities,**
3 **Procedures, and Limitations**

4 **SEC. 810.[Log 70013] MODIFICATIONS TO THE MIDDLE TIER**
5 **OF ACQUISITION PROGRAMS.**

6 (a) ACCESS TO TECHNICAL DATA, RECORDS, AND IN-
7 FORMATION.—Section 804 of the National Defense Au-
8 thorization Act for Fiscal Year 2016 (Public Law 114–
9 92; 10 U.S.C. 2302 note) is amended by adding at the
10 end the following new subsection:

11 “(e) ACCESS TO TECHNICAL DATA, RECORDS, AND
12 INFORMATION.—The Secretary of Defense shall develop a
13 process to provide the Director of Operational Test and
14 Evaluation, the Director of Cost Assessment and Program
15 Evaluation, and the Under Secretary of Defense for Re-
16 search and Engineering access to all technical data,
17 records, and information necessary to evaluate the techno-
18 logical maturity, operational effectiveness, and operational
19 suitability of products and technologies proposed to be ac-
20 quired under the guidance required by subsection (a).”.

21 (b) DOLLAR THRESHOLD FOR ACQUISITION PRO-
22 GRAMS.—Subsection (a) of such section is amended—

23 (1) by striking “Not later than” and inserting
24 the following:

25 “(1) IN GENERAL.—Not later than”;

1 (2) in paragraph (1), as so designated, by strik-
2 ing “acquisition programs that are intended to be
3 completed in a period of two to five years.” and in-
4 serting the following: “acquisition programs—

5 “(A) with an eventual total expenditure for
6 research, development, test, and evaluation or
7 an eventual total expenditure for procurement
8 that is less than those expenditures described in
9 section 2430(a)(1)(B) of this title; and

10 “(B) that are intended to be completed in
11 a period of two to five years.”; and

12 (3) by adding at the end the following new
13 paragraph:

14 “(2) WAIVER.—The Secretary of Defense may
15 waive the requirements of subparagraph (A) of para-
16 graph (1), and may not delegate the authority to
17 make such a waiver.”.

1 **SEC. 811.[Log 70020] RATES FOR PROGRESS PAYMENTS OR**
2 **PERFORMANCE-BASED PAYMENTS.**

3 (a) CONSISTENCY IN ESTABLISHMENT OF RATES
4 FOR PROGRESS PAYMENTS OR PERFORMANCE-BASED
5 PAYMENTS.—Section 2307(a) of title 10, United States
6 Code, is amended by inserting the following new para-
7 graph:

8 “(3) Except as provided in subsection (g), the
9 Secretary of Defense shall not establish a rate for
10 progress payments or a rate for performance-based
11 payments that is lower than the rate for progress
12 payments or a rate for performance-based payments,
13 as applicable, established by another head of an
14 agency.”.

15 (b) PAYMENT AUTHORITY.—Section 2307(a)(1) of
16 title 10, United States Code, is amended in the matter
17 preceding subparagraph (A) by striking “The head of any
18 agency may” and inserting “The head of an agency may—
19 ”.

20 (c) NOTICE OF REVISION TO RATES FOR PROGRESS
21 PAYMENTS OR PERFORMANCE-BASED PAYMENTS.—

22 (1) TO CONGRESS.—The Secretary of Defense
23 may not issue rules to revise the rate for progress
24 payments or the rate for performance-based pay-
25 ments unless the Secretary provides the congres-
26 sional defense committees with a notice of deter-

1 mination of need for such revision. This notice shall
2 include—

3 (A) a justification, including the data and
4 analysis supporting the justification, for the re-
5 vision; and

6 (B) an assessment of how the revision will
7 create a more effective acquisition process and
8 benefit the defense industrial base.

9 (2) PUBLICATION.—The Secretary shall publish
10 the notice required by paragraph (1) in the Federal
11 Register not later than five business days after pro-
12 viding such notice to the congressional defense com-
13 mittees.

1 **SEC. 812.[Log 70016] ADDITIONAL REQUIREMENTS FOR NE-**
2 **GOTIATIONS FOR NONCOMMERCIAL COM-**
3 **PUTER SOFTWARE.**

4 Section 2322a of title 10, United States Code, is
5 amended by adding at the end the following new sub-
6 sections:

7 “(c) RIGHTS TO NONCOMMERCIAL COMPUTER SOFT-
8 WARE.—As part of any negotiation for the acquisition of
9 noncommercial computer software, the Secretary of De-
10 fense may not require a contractor to sell or otherwise re-
11 linquish to the Federal Government any rights to non-
12 commercial computer software developed exclusively at
13 private expense, except for rights related to—

14 “(1) corrections or changes to such software or
15 related materials for such software furnished to the
16 contractor by the Department of Defense;

17 “(2) such software or related materials for such
18 software that is otherwise publicly available or that
19 has been released or disclosed by the contractor or
20 subcontractor without restrictions on further use, re-
21 lease, or disclosure, other than a release or disclo-
22 sure resulting from the sale, transfer, or other as-
23 signment of interest in such software or related ma-
24 terials to another party;

25 “(3) such software or related materials for such
26 software obtained with unlimited rights under an-

1 other contract with the Federal Government or as a
2 result of such a negotiation; or

3 “(4) such software or related materials for such
4 software furnished to the Department of Defense
5 under a contract or subcontract that includes—

6 “(A) restricted rights in such software,
7 limited rights in technical data, or government
8 purpose rights, where such restricted rights,
9 limited rights, or government purpose rights
10 have expired; or

11 “(B) government purpose rights, where the
12 contractor’s exclusive right to use such software
13 or related materials for commercial purposes
14 has expired.

15 “(d) CONSIDERATION OF SPECIALLY NEGOTIATED
16 LICENSES.—The Secretary of Defense shall, to the max-
17 imum extent practicable, negotiate and enter into a con-
18 tract with a contractor for a specially negotiated license
19 for noncommercial computer software or related materials
20 for such software necessary to support the product sup-
21 port strategy of a major weapon system or subsystem of
22 a major weapon system.”.

1 **SEC. 813.[Log 69241] RESPONSIBILITY FOR DATA ANALYSIS**
2 **AND REQUIREMENTS VALIDATION FOR SERV-**
3 **ICES CONTRACTS.**

4 Section 2329 of title 10, United States Code, is
5 amended—

6 (1) in subsection (a), by inserting “, acting
7 through the Under Secretary of Defense (Comp-
8 troller) and Director of Cost Assessment and Pro-
9 gram Evaluation,” after “Secretary of Defense”;

10 (2) in subsection (b), in the matter preceding
11 paragraph (1), by inserting “, acting through the
12 Under Secretary of Defense (Comptroller) and Di-
13 rector of Cost Assessment and Program Evalua-
14 tion,” after “Secretary of Defense”; and

15 (3) in subsection (c)(2)(A), by inserting “, act-
16 ing through the Under Secretary of Defense (Comp-
17 troller) and Director of Cost Assessment and Pro-
18 gram Evaluation,” after “Secretary of Defense”.

1 **SEC. 814.[Log 70133] ANNUAL REPORTS ON AUTHORITY TO**
2 **CARRY OUT CERTAIN PROTOTYPE PROJECTS.**

3 (a) IN GENERAL.—Section 2371b of title 10, United
4 States Code, is amended by adding at the end the fol-
5 lowing new subsections:

6 “(i) DATA COLLECTION AND USE.—(1) The service
7 acquisition executive of each military department shall col-
8 lect data on the use of the authority under this section
9 by the applicable military department, and the Under Sec-
10 retary of Defense for Research and Engineering and the
11 Under Secretary of Defense for Acquisition and
12 Sustainment shall collect data on all other use of such au-
13 thority by the Department of Defense, including use by
14 the Defense Agencies.

15 “(2) The Under Secretary of Defense for Acquisition
16 and Sustainment shall—

17 “(A) maintain a database of information col-
18 lected under this section, which shall be made acces-
19 sible to any official designated by the Secretary of
20 Defense; and

21 “(B) analyze such information to update policy
22 and guidance related to the use of the authority
23 under this section.

24 “(j) REPORT.—(1) Not later than December 31,
25 2019, and each December 31 thereafter the Secretary of
26 Defense shall annually submit to the congressional defense

1 committees a report covering the preceding fiscal year on
2 the use of the authority under this section. Each report
3 shall summarize the data collected under subsection (i) on
4 the nature and extent of each such use of the authority,
5 including a description—

6 “(A) of the participants to an agreement en-
7 tered into pursuant to the authority of subsection
8 (a) or a follow-on contract or transaction entered
9 into pursuant to the authority of subsection (f);

10 “(B) of the quantity of prototype projects to be
11 produced pursuant to such an agreement, follow-on
12 contract, or transaction;

13 “(C) of the amount of payments made pursuant
14 to each such agreement, follow-on contract, or trans-
15 action;

16 “(D) of the purpose, description, and status of
17 prototype projects carried out pursuant to each such
18 agreement, follow-on contract, or transaction; and

19 “(E) including case examples, of the successes
20 and challenges with using the authority of sub-
21 section (a) or (f).

22 “(2) A report required under this subsection shall be
23 submitted in unclassified form without any designation re-
24 lating to dissemination control, but may contain a classi-
25 fied annex.”.

1 (b) CONFORMING AMENDMENT.—Section 873 of the
2 John S. McCain National Defense Authorization Act for
3 Fiscal Year 2019 (Public Law 115–232; 132 Stat. 1905;
4 10 U.S.C. 2371 note) is repealed.

1 **SEC. 815.[Log 70012] SUPPLY CHAIN RISK MITIGATION**
2 **POLICIES TO BE IMPLEMENTED THROUGH**
3 **REQUIREMENTS GENERATION PROCESS.**

4 (a) PROCESS FOR ENHANCED SUPPLY CHAIN SCRU-
5 TINY.—Section 807(b) of the National Defense Authoriza-
6 tion Act for Fiscal Year 2018 (Public Law 115–91; 131
7 Stat. 1456; 10 U.S.C. 2302 note) is amended—

8 (1) by redesignating paragraphs (5) through
9 (9) as paragraphs (6) through (10), respectively;
10 and

11 (2) by inserting after paragraph (4) the fol-
12 lowing new paragraph:

13 “(5) Development of tools for implementing
14 supply chain risk management policies during the
15 generation of requirements for a contract.”.

16 (b) TECHNICAL AMENDMENT.—Subsection (a) of
17 such section is amended by striking “Not later than” and
18 all that follows through “the Secretary” and inserting
19 “The Secretary”.

20 (c) EFFECTIVE DATE.—Not later than 90 days after
21 the date of the enactment of this Act, the Secretary of
22 Defense shall revise the process established under section
23 807 of the National Defense Authorization Act for Fiscal
24 Year 2018 (Public Law 115–91; 10 U.S.C. 2302 note) to
25 carry out the requirements of this section.

1 **SEC. 816.[Log 70010] ENHANCED POST-AWARD DEBRIEFING**
2 **RIGHTS.**

3 Section 818(a)(1) of the National Defense Authoriza-
4 tion Act for Fiscal Year 2018 (Public Law 115–91; 131
5 Stat. 1463; 10 U.S.C. 2305 note) is amended by striking
6 “\$100,000,000” each place it appears and inserting
7 “\$50,000,000”.

1 **SEC. 817.[Log 69838] STANDARDIZING DATA COLLECTION**
2 **AND REPORTING ON USE OF SOURCE SELEC-**
3 **TION PROCEDURES BY FEDERAL AGENCIES.**

4 (a) REPEAL OF GOVERNMENT ACCOUNTABILITY OF-
5 FICE REPORTING REQUIREMENTS ON USE OF LOWEST
6 PRICE TECHNICALLY ACCEPTABLE SOURCE SELECTION
7 CRITERIA.—

8 (1) DEPARTMENT OF DEFENSE.—Section 813
9 of the National Defense Authorization Act for Fiscal
10 Year 2017 (10 U.S.C. 2305 note) is amended by
11 striking subsection (d).

12 (2) OTHER AGENCIES.—Section 880 of the
13 John S. McCain National Defense Authorization Act
14 for Fiscal Year 2019 (Public Law 115–232; 132
15 Stat. 1910; 41 U.S.C. 3701 note) is amended by
16 striking subsection (d) and redesignating subsection
17 (e) as subsection (d).

18 (b) REVISION TO THE FEDERAL PROCUREMENT
19 DATA SYSTEM.—Not later than 180 days after the date
20 of the enactment of this Act, the Administrator of General
21 Services, in coordination with the Administrator for Fed-
22 eral Procurement Policy, shall direct appropriate revisions
23 to the Federal procurement data system established pur-
24 suant to section 1122(a)(4) of title 41, United States Code
25 (or any successor system), to facilitate the collection of
26 complete, timely, and reliable data on the source selection

1 processes used by Federal agencies for the contract ac-
2 tions being reported in the system. The Administrator of
3 General Services shall ensure that data is collected—

4 (1) at a minimum, on the usage of the lowest
5 price technically acceptable contracting methods and
6 best value contracting methods process; and

7 (2) on all applicable contracting actions, includ-
8 ing task orders or delivery orders issued under in-
9 definite delivery-indefinite quantity contracts.

1 **Subtitle C—Provisions Relating to**
2 **Acquisition Workforce**

3 **SEC. 820.[Log 70061] DEFENSE ACQUISITION WORKFORCE**
4 **CERTIFICATION AND EDUCATION REQUIRE-**
5 **MENTS.**

6 (a) PROFESSIONAL CERTIFICATION REQUIRE-
7 MENT.—

8 (1) PROFESSIONAL CERTIFICATION REQUIRED
9 FOR ALL ACQUISITION WORKFORCE PERSONNEL.—
10 Section 1701a of title 10, United States Code, is
11 amended—

12 (A) by redesignating subsections (c) and
13 (d) as subsections (d) and (e), respectively; and
14 (B) by inserting after subsection (b) the
15 following new subsection:

16 “(c) PROFESSIONAL CERTIFICATION.—(1) IN GEN-
17 ERAL.—The Secretary of Defense shall implement a cer-
18 tification program to provide for a professional certifi-
19 cation requirement for all members of the acquisition
20 workforce. Except as provided in paragraph (2), the cer-
21 tification requirement for any career field of the acquisi-
22 tion workforce shall be based on nationally or internation-
23 ally recognized standards developed by a third-party enti-
24 ty.

1 “(2) REQUIREMENTS FOR SECRETARY.—If the Sec-
2 retary determines that, for a particular acquisition work-
3 force career field, the third-party entity described in para-
4 graph (1) does not meet the needs of the Department, the
5 Secretary shall establish the professional certification re-
6 quirement for that career field that conforms with nation-
7 ally or internationally recognized standards. The Secretary
8 shall determine the best approach to implement such re-
9 quirement for that career field, including implementation
10 through entities outside the Department of Defense and
11 may be designed and implemented without regard to sec-
12 tion 1746 of this title.”.

13 (2) CERTIFICATION RENEWAL.—Paragraph (3)
14 of section 1723(a) of such title is amended by strik-
15 ing the second sentence.

16 (3) PARTICIPATION IN PROFESSIONAL ASSOCIA-
17 TIONS.—Section 1701a(b) of such title is amended—

18 (A) by redesignating paragraphs (6), (7),
19 (8), and (9) as paragraphs (7), (8), (9), and
20 (10), respectively; and

21 (B) by inserting after paragraph (5) the
22 following new paragraph:

23 “(6) authorize a member of the acquisition
24 workforce to participate in professional associations,
25 consistent with the performance plan of such mem-

1 ber, if such participation provides the member with
2 the opportunity to gain leadership and management
3 skills;”.

4 (4) EFFECTIVE DATE.—The Secretary of De-
5 fense shall carry out the certification program re-
6 quired by subsection (c) of section 1701a of title 10,
7 United States Code, as added by paragraph (1), not
8 later than 180 days after the date of the enactment
9 of this Act.

10 (b) ELIMINATION OF STATUTORY REQUIREMENT
11 FOR COMPLETION OF 24 SEMESTER CREDIT HOURS.—

12 (1) QUALIFICATION REQUIREMENTS FOR CON-
13 TRACTING OFFICERS.—Section 1724 of title 10,
14 United States Code, is amended—

15 (A) in subsection (a)(3)—

16 (i) by striking “(A)” after “(3)”; and

17 (ii) by striking “, and (B)” and all
18 that follows through “and management”;

19 (B) in subsection (b), by striking “require-
20 ments” in the first sentences of paragraphs (1)
21 and (2) and inserting “requirement”;

22 (C) in subsection (e)—

23 (i) in paragraph (1)—

24 (I) by striking “requirements in
25 subparagraphs (A) and (B) of sub-

1 section (a)(3)” and inserting “require-
2 ment of subsection (a)(3)”;

3 (II) in subparagraph (C), by
4 striking “requirements” and inserting
5 “requirement”; and

6 (ii) in paragraph (2)—

7 (I) by striking “shall have—”
8 and all that follows through “been
9 awarded” and inserting “shall have
10 been awarded”;

11 (II) by striking “; or” and insert-
12 ing a period; and

13 (III) by striking subparagraph
14 (B); and

15 (D) in subsection (f), by striking “, includ-
16 ing—” and all that follows and inserting a pe-
17 riod.

18 (2) SELECTION CRITERIA AND PROCEDURES.—

19 Section 1732 of such title is amended—

20 (A) in subsection (b)(1)—

21 (i) by striking “Such requirements,”
22 and all the follows through “the person—
23 ” and inserting “Such requirements shall
24 include a requirement that the person—”;

25 (ii) by striking subparagraph (B); and

1 (iii) by redesignating clauses (i) and
2 (ii) as subparagraphs (A) and (B), respec-
3 tively, and conforming the margins accord-
4 ingly;

5 (B) in subsection (c), by striking “require-
6 ments of subsections (b)(1)(A) and (b)(1)(B)”
7 in paragraphs (1) and (2) and inserting “re-
8 quirement of subsection (b)(1)”;

9 (C) in subsection (d)—

10 (i) by striking “(1) Except as pro-
11 vided in paragraph (2),”;

12 (ii) by striking paragraph (2).

13 (c) DEFENSE ACQUISITION UNIVERSITY CUR-
14 RICULUM DEVELOPMENT.—Section 1746(c) of title 10,
15 United States Code, is amended by inserting “, and with
16 commercial providers of training,” after “military depart-
17 ments”.

18 (d) CAREER PATHS.—

19 (1) CAREER PATH REQUIRED FOR EACH ACQUI-
20 SITION WORKFORCE CAREER FIELD.—Paragraph (4)
21 of section 1701a(b) of title 10, United States Code,
22 is amended to read as follows:

23 “(4) develop and implement a career path, as
24 described in section 1722(a) of this title, for each
25 career field designated by the Secretary under sec-

1 tion 1721(a) of this title as an acquisition workforce
2 career field;”.

3 (2) CONFORMING AMENDMENTS.—Section
4 1722(a) of such title is amended—

5 (A) by striking “appropriate career paths”
6 and inserting “an appropriate career path”;
7 and

8 (B) by striking “are identified” and insert-
9 ing “is identified for each acquisition workforce
10 career field”.

11 (3) DEADLINE FOR IMPLEMENTATION OF CA-
12 REER PATHS.—The Secretary of Defense shall carry
13 out the requirements of paragraph (4) of section
14 1701a(b) of title 10, United States Code (as amend-
15 ed by paragraph (1)), not later than the end of the
16 two-year period beginning on the date of the enact-
17 ment of this Act.

18 (e) CAREER FIELDS.—

19 (1) DESIGNATION OF ACQUISITION WORKFORCE
20 CAREER FIELDS.—Section 1721(a) of such title is
21 amended by adding at the end the following new
22 sentence: “The Secretary shall also designate in reg-
23 ulations those career fields in the Department of De-
24 fense that are acquisition workforce career fields for
25 purposes of this chapter.”.

1 (2) CLERICAL AMENDMENTS.—(A) The heading
2 of such section is amended to read as follows:

3 **“§ 1721. Designation of acquisition positions and ac-**
4 **quisition workforce career fields”.**

5 (B) The item relating to such section in
6 the table of sections at the beginning of sub-
7 chapter II of chapter 87 of such title is amend-
8 ed to read as follows:

“1721. Designation of acquisition positions and acquisition workforce career
fields.”.

9 (3)(A) The heading of subchapter II of chapter
10 87 of such title is amended to read as follows:

“SUBCHAPTER II—ACQUISITION POSITIONS AND ACQUISITION WORKFORCE
CAREER FIELDS”.

11 (B) The item relating to such subchapter in the
12 table of subchapters at the beginning of such chap-
13 ter is amended to read as follows:

“II. Acquisition Positions And Acquisition Workforce Career Fields 1721”.

14 (4) DEADLINE FOR DESIGNATION OF CAREER
15 FIELDS.—The Secretary of Defense shall carry out
16 the requirements of second sentence of section
17 1721(a) of title 10, United States Code (as added by
18 paragraph (1)), not later than the end of the six-
19 month period beginning on the date of the enact-
20 ment of this Act.

21 (f) KEY WORK EXPERIENCES.—

1 (1) DEVELOPMENT OF KEY WORK EXPERI-
2 ENCES FOR EACH ACQUISITION WORKFORCE CAREER
3 FIELD.—Section 1722b of such title is amended by
4 adding at the end the following new subsection:

5 “(c) KEY WORK EXPERIENCES.—In carrying out
6 subsection (b)(2), the Secretary shall ensure that key work
7 experiences, in the form of multidiscipline training, are de-
8 veloped for each acquisition workforce career field.”.

9 (2) PLAN FOR IMPLEMENTATION OF KEY WORK
10 EXPERIENCES.—Not later than one year after the
11 date of the enactment of this Act, the Secretary of
12 Defense shall submit to the congressional defense
13 committees a plan identifying the specific actions the
14 Department of Defense has taken, and is planning
15 to take, to develop and establish key work experi-
16 ences for each acquisition workforce career field as
17 required by subsection (c) of section 1722b of title
18 10, United States Code, as added by paragraph (1).
19 The plan shall include specification of the percentage
20 of the acquisition workforce, or funds available for
21 administration of the acquisition workforce on an
22 annual basis, that the Secretary will dedicate to-
23 wards developing such key work experiences.

24 (g) APPLICABILITY OF CAREER PATH REQUIRE-
25 MENTS TO ALL MEMBERS OF ACQUISITION WORK-

1 FORCE.—Section 1723(b) of such title is amended by
2 striking “the critical acquisition-related”.

3 (h) COMPETENCY DEVELOPMENT.—

4 (1) IN GENERAL.—(A) Subchapter V of chapter
5 87 of such title is amended by adding at the end the
6 following new section:

7 **“§ 1765. Competency development**

8 “(a) IN GENERAL.—For each acquisition workforce
9 career field, the Secretary of Defense shall establish, for
10 the civilian personnel in that career field, defined pro-
11 ficiency standards and technical and nontechnical com-
12 petencies which shall be used in personnel qualification as-
13 sessments.

14 “(b) NEGOTIATIONS.—Any action taken by the Sec-
15 retary under this section, or to implement this section,
16 shall not be subject to the requirements of chapter 71 of
17 title 5.”.

18 (B) The table of sections at the beginning
19 of such subchapter II is amended by adding at
20 the end the following new item:

“1765. Competency development.”.

21 (2) DEADLINE FOR IMPLEMENTATION.—The
22 Secretary of Defense shall carry out the require-
23 ments of section 1765 of title 10, United States
24 Code (as added by paragraph (1)), not later than

1 the end of the two-year period beginning on the date
2 of the enactment of this Act.

3 (i) TERMINATION OF DEFENSE ACQUISITION
4 CORPS.—

5 (1) The Acquisition Corps for the Department
6 of Defense referred to in section 1731(a) of title 10,
7 United States Code, is terminated.

8 (2) Section 1733 of title 10, United States
9 Code, is amended—

10 (A) by striking subsection (a); and

11 (B) by redesignating subsection (b) as sub-
12 section (a).

13 (3) Subsection (b) of section 1731 of such title
14 is transferred to the end of section 1733 of such
15 title, as amended by paragraph (2), and amended—

16 (A) by striking “ACQUISITION CORPS” in
17 the heading and inserting “THE ACQUISITION
18 WORKFORCE”; and

19 (B) by striking “selected for the Acquisi-
20 tion Corps” and inserting “in the acquisition
21 workforce”.

22 (4) Subsection (e) of section 1732 of such title
23 is transferred to the end of section 1733 of such
24 title, as amended by paragraphs (2) and (3), redesi-
25 gnated as subsection (c), and amended—

1 (A) by striking “in the Acquisition Corps”
2 in paragraphs (1) and (2) and inserting “in
3 critical acquisition positions”; and

4 (B) by striking “serving in the Corps” in
5 paragraph (2) and inserting “employment”.

6 (5) Sections 1731 and 1732 of such title are re-
7 pealed.

8 (6)(A) Section 1733 of such title, as amended
9 by paragraphs (2), (3), and (4), is redesignated as
10 section 1731.

11 (B) The table of sections at the beginning of
12 subchapter III of chapter 87 of such title is amend-
13 ed by striking the items relating to sections 1731,
14 1732, and 1733 and inserting the following new
15 item:

“1731. Critical acquisition positions.”.

16 (7)(A) The heading of subchapter III of chapter
17 87 of such title is amended to read as follows:

“SUBCHAPTER III—CRITICAL ACQUISITION POSITIONS”.

18 (B) The item relating to such subchapter in the
19 table of subchapters at the beginning of such chap-
20 ter is amended to read as follows:

“III. Critical Acquisition Positions 1731”.

21 (8) Section 1723(a)(2) of such title is amended
22 by striking “section 1733 of this title” and inserting
23 “section 1731 of this title”.

1 (9) Section 1725 of such title is amended—

2 (A) in subsection (a)(1), by striking “De-
3 fense Acquisition Corps” and inserting “acqui-
4 sition workforce”; and

5 (B) in subsection (d)(2), by striking “of
6 the Defense Acquisition Corps” and inserting
7 “in the acquisition workforce serving in critical
8 acquisition positions”.

9 (10) Section 1734 of such title is amended—

10 (A) by striking “of the Acquisition Corps”
11 in subsections (e)(1) and (h) and inserting “of
12 the acquisition workforce”; and

13 (B) in subsection (g)—

14 (i) by striking “of the Acquisition
15 Corps” in the first sentence and inserting
16 “of the acquisition workforce”;

17 (ii) by striking “of the Corps” and in-
18 serting “of the acquisition workforce”; and

19 (iii) by striking “of the Acquisition
20 Corps” in the second sentence and insert-
21 ing “of the acquisition workforce in critical
22 acquisition positions”.

23 (11) Section 1737 of such title is amended—

1 (A) in subsection (a)(1), by striking “of
2 the Acquisition Corps” and inserting “of the ac-
3 quisition workforce”; and

4 (B) in subsection (b), by striking “of the
5 Corps” and inserting “of the acquisition work-
6 force”.

7 (12) Section 1742(a)(1) of such title is amend-
8 ed by striking “the Acquisition Corps” and inserting
9 “acquisition positions in the Department of De-
10 fense”.

11 (13) Section 2228(a)(4) of such title is amend-
12 ed by striking “under section 1733(b)(1)(C) of this
13 title” and inserting “under section 1731 of this
14 title”.

15 (14) Section 7016(b)(5)(B) of such title is
16 amended by striking “under section 1733 of this
17 title” and inserting “under section 1731 of this
18 title”.

19 (15) Section 8016(b)(4)(B) of such title is
20 amended by striking “under section 1733 of this
21 title” and inserting “under section 1731 of this
22 title”.

23 (16) Section 9016(b)(4)(B) of such title is
24 amended by striking “under section 1733 of this

1 title” and inserting “under section 1731 of this
2 title”.

3 (17) Paragraph (1) of section 317 of title 37,
4 United States Code, is amended to read as follows:

5 “(1) is a member of the acquisition workforce
6 selected to serve in, or serving in, a critical acquisi-
7 tion position designated under section 1731 of title
8 10.”.

9 (j) DESIGNATION OF FOREIGN MILITARY SALES AS
10 ACQUISITION POSITION.—Section 1721(b) of title 10,
11 United States Code, is amended by adding at the end the
12 following new paragraph:

13 “(13) Foreign military sales.”.

1 **SEC. 821.[Log 70082] PUBLIC-PRIVATE EXCHANGE PRO-**
2 **GRAM FOR THE ACQUISITION WORKFORCE.**

3 (a) PUBLIC-PRIVATE EXCHANGE PROGRAM FOR THE
4 ACQUISITION WORKFORCE.—

5 (1) IN GENERAL.—Subchapter IV of chapter 87
6 of title 10, United States Code, is amended by add-
7 ing at the end the following new section:

8 **“§ 1749. Public-private exchange program for the ac-**
9 **quisition workforce**

10 “(a) ASSIGNMENT AUTHORITY.—(1) The Secretary
11 may, by rule, establish a program to be known as the
12 ‘Public-Private Exchange Program for the Acquisition
13 Workforce’ to temporarily assign a member of the acqui-
14 sition workforce to a private-sector organization or an em-
15 ployee of a private-sector organization to the Department
16 of Defense if—

17 “(A) pursuant to an agreement between the
18 Secretary, the private-sector organization, and the
19 individual to be temporarily assigned described in
20 subsection (b); and

21 “(B) with the consent of the individual to be
22 temporarily assigned.

23 “(2) Members of the acquisition workforce are eligible
24 for a temporary assignment under this section as follows:

25 “(A) Civilians in any of grades GS–12 through
26 GS–15 under the General Schedule or, for employees

1 participating in the demonstration project under sec-
2 tion 1762 of this title, the equivalent.

3 “(B) Members of the armed forces serving in
4 any of pay grades O–3 through O–6.

5 “(3) A private-sector organization shall not be consid-
6 ered to have a conflict of interest with the Department
7 of Defense solely because of participation in the program
8 established under this section.

9 “(b) AGREEMENTS.—(1) An agreement entered into
10 under this section shall include the following:

11 “(A) The terms and conditions of a temporary
12 assignment.

13 “(B) In the case of an agreement for the tem-
14 porary assignment of a member of the acquisition
15 workforce, a requirement that the member of the ac-
16 quisition workforce, upon completion of the tem-
17 porary assignment, will—

18 “(i) if a member of the armed forces, serve
19 in the armed forces for a period equal to twice
20 the length of the temporary assignment (in ad-
21 dition to any other period of obligated service);
22 or

23 “(ii) if a civilian, serve in the Department
24 of Defense, or elsewhere in the civil service if

1 approved by the Secretary, for a period equal to
2 twice the length of the temporary assignment.

3 “(C) A provision that if the individual to be
4 temporarily assigned fails to carry out the agree-
5 ment, such individual shall be liable to the United
6 States for payment of all expenses of the assign-
7 ment, unless that failure was for good and sufficient
8 reason, as determined by the Secretary of Defense.

9 “(D) In the case of an agreement for the tem-
10 porary assignment of a member of the acquisition
11 workforce, language ensuring that such member of
12 the acquisition workforce does not improperly use
13 pre-decisional or draft deliberative information that
14 such member may be privy to or aware of related to
15 Department programing, budgeting, resourcing, ac-
16 quisition, or procurement for the benefit or advan-
17 tage of the private-sector organization.

18 “(2) An amount for which an individual is liable
19 under paragraph (1)(C) shall be treated as a debt due the
20 United States.

21 “(3) The Secretary may waive, in whole or in part,
22 collection of a debt described in paragraph (2) based on
23 a determination that the collection would be against equity
24 and good conscience and not in the best interests of the
25 United States, after taking into account any indication of

1 fraud, misrepresentation, fault, or lack of good faith on
2 the part of the individual who is liable for the debt.

3 “(c) TERMINATION.—An assignment under this sec-
4 tion may, at any time and for any reason, be terminated
5 by the Department of Defense or the private-sector orga-
6 nization concerned.

7 “(d) DURATION.—(1) Except as provided in para-
8 graph (2), an assignment under this section shall be for
9 a period of not more than two years, renewable up to a
10 total of four years.

11 “(2) An assignment under this section may be for a
12 period in excess of two years, but not more than four
13 years, if the Secretary determines that such assignment
14 is necessary to meet critical mission or program require-
15 ments.

16 “(3) A member of the acquisition workforce may not
17 be assigned under this section for more than a total of
18 four years inclusive of all such assignments.

19 “(e) STATUS OF INDIVIDUALS ASSIGNED TO PRI-
20 VATE-SECTOR ORGANIZATIONS.—(1) A member of the ac-
21 quisition workforce who is assigned to a private-sector or-
22 ganization under this section shall be considered, during
23 the period of assignment, to be on detail to a regular duty
24 or work assignment, as applicable, in the Department for
25 all purposes.

1 “(2) In the case of a civilian member of the acquisi-
2 tion workforce, the written agreement established under
3 subsection (b)(1)—

4 “(A) shall address the specific terms and condi-
5 tions related to the civilian member’s continued sta-
6 tus as a Federal employee; and

7 “(B) in the case of an assignment of nine
8 months or longer, shall provide that, if the civilian
9 member successfully completes the assignment (as
10 determined by the Secretary), the civilian member
11 shall be eligible for consideration for placement in a
12 new position under programs of the Department of
13 Defense providing priority placement to certain em-
14 ployees.

15 “(3) With respect to an assignment of a member of
16 the acquisition workforce under this section, the Sec-
17 retary—

18 “(A) may, in the case of a civilian member of
19 the acquisition workforce, provide for the perform-
20 ance, during the member’s absence, of the normal
21 duties and functions of that member by making a
22 temporary or term appointment under general civil
23 service authorities for such appointments;

24 “(B) shall ensure that the normal duties and
25 functions of the civilian member of the acquisition

1 workforce described in subparagraph (A) can be rea-
2 sonably performed by other personnel of the Depart-
3 ment of Defense without the permanent transfer or
4 permanent reassignment of other personnel of the
5 Department of Defense, including members of the
6 armed forces;

7 “(C) shall ensure that the normal duties and
8 functions of the acquisition workforce member are
9 not, as a result of and during the course of such
10 temporary assignment, performed or augmented by
11 contractor personnel in violation of the provisions of
12 section 2461 of this title; and

13 “(D) shall certify that the temporary assign-
14 ment of the acquisition workforce member will not
15 have an adverse or negative impact on mission at-
16 tainment, warfighter support, or organizational ca-
17 pabilities associated with the assignment.

18 “(f) TERMS AND CONDITIONS FOR PRIVATE-SECTOR
19 EMPLOYEES.—An employee of a private-sector organiza-
20 tion who is assigned to a Department of Defense organiza-
21 tion under this section—

22 “(1) shall continue to receive pay and benefits
23 from the private-sector organization from which such
24 employee is assigned and shall not receive pay or

1 benefits from the Department of Defense, except as
2 provided in paragraph (2);

3 “(2) is deemed to be an employee of the De-
4 partment of Defense for the purposes of—

5 “(A) chapters 73 and 81 of title 5;

6 “(B) sections 201, 203, 205, 207, 208,
7 209, 603, 606, 607, 643, 654, 1905, and 1913
8 of title 18;

9 “(C) sections 1343, 1344, and 1349(b) of
10 title 31;

11 “(D) the Federal Tort Claims Act and any
12 other Federal tort liability statute;

13 “(E) the Ethics in Government Act of
14 1978; and

15 “(F) chapter 21 of title 41;

16 “(3) shall not have access to any trade secrets
17 or to any other nonpublic information which is of
18 commercial value to the private-sector organization
19 from which such employee is assigned;

20 “(4) may perform work that is considered in-
21 herently governmental in nature only when requested
22 in writing by the Secretary of Defense; and

23 “(5) may not be used to circumvent the provi-
24 sion of section 2461 of this title nor to circumvent

1 any limitation or restriction on the size of the De-
2 partment's workforce.

3 “(g) PROHIBITION AGAINST CHARGING CERTAIN
4 COSTS TO THE FEDERAL GOVERNMENT.—A private-sec-
5 tor organization may not charge the Department or any
6 other agency of the Federal Government, as direct or indi-
7 rect costs under a Federal contract, the costs of pay or
8 benefits paid by the organization to an employee assigned
9 to a Department organization under this section for the
10 period of the assignment.

11 “(h) CONSIDERATION OF TRAINING NEEDS FOR
12 MEMBERS OF THE ACQUISITION WORKFORCE.—In car-
13 rying out this section, the Secretary of Defense shall take
14 into consideration how assignments under this section
15 might best be used to help meet the needs of the Depart-
16 ment of Defense with respect to the training of members
17 of the acquisition workforce.

18 “(i) FUNDING; USE OF DEFENSE ACQUISITION
19 WORKFORCE DEVELOPMENT FUND.—Funds for the ex-
20 penses for the program established under this section shall
21 be provided from amounts in the Department of Defense
22 Acquisition Workforce Development Fund. Expenses for
23 the program include—

24 “(1) notwithstanding section 1705(e)(5) of this
25 title, the base salary of a civilian member of the ac-

1 quisition workforce assigned to a private-sector orga-
2 nization under this section, during the period of that
3 assignment;

4 “(2) expenses relating to assignment under this
5 section of a member of the acquisition workforce
6 away from the member’s regular duty station, in-
7 cluding expenses for travel, per diem, and lodging;
8 and

9 “(3) expenses for the administration of the pro-
10 gram.”.

11 (2) CLERICAL AMENDMENT.—The table of sec-
12 tions at the beginning of such subchapter is amend-
13 ed by adding at the end the following new item:

“1749. Public-private exchange program for the acquisition workforce.”.

14 (b) USE OF DEFENSE ACQUISITION WORKFORCE
15 DEVELOPMENT FUND.—Section 1705(e)(1) of such title
16 is amended by adding at the end the following new sub-
17 paragraph:

18 “(C) Amounts in the Fund shall be used to
19 pay the expenses of the Public-Private Ex-
20 change Program for the Acquisition Workforce
21 under section 1749 of this title.”.

22 (c) ACQUISITION WORKFORCE EMPLOYEES EX-
23 CLUDED FROM PUBLIC-PRIVATE TALENT EXCHANGE.—

1 (1) IN GENERAL.—Section 1599g of such title
2 is amended by adding at the end the following new
3 subsection:

4 “(i) ACQUISITION WORKFORCE EM-
5 PLOYEES.—An employee of the Depart-
6 ment of Defense who is eligible for the
7 Public-Private Exchange Program for the
8 Acquisition Workforce under section 1749
9 of this title is not eligible for an assign-
10 ment under this section.”.

11 (2) APPLICABILITY.—Subsection (i) of section
12 1599g of title 10, United States Code, as added by
13 paragraph (1), shall not apply to an employee of the
14 Department of Defense who entered into an agree-
15 ment under that section before the date of the enact-
16 ment of this Act.

1 **SEC. 822.[Log 70019] INCENTIVES AND CONSIDERATION**
2 **FOR QUALIFIED TRAINING PROGRAMS.**

3 (a) IN GENERAL.—

4 (1) Chapter 141 of title 10, United States
5 Code, is amended by inserting after section 2409 the
6 following new section:

7 **“§ 2409a. Incentives and consideration for qualified**
8 **training programs**

9 “(a) INCENTIVES.—The Secretary of Defense shall
10 develop workforce development investment incentives for
11 a contractor that implements a qualified training program
12 to develop the workforce of the contractor in a manner
13 consistent with the needs of the Department of Defense.

14 “(b) CONSIDERATION OF QUALIFIED TRAINING PRO-
15 GRAMS.—The Secretary of Defense shall revise the De-
16 partment of Defense Supplement to the Federal Acquisi-
17 tion Regulation to require that the system used by the
18 Federal Government to monitor or record contractor past
19 performance includes an analysis of the availability, qual-
20 ity, and effectiveness of a qualified training program of
21 an offeror as part of the past performance rating of such
22 offeror.

23 “(c) QUALIFIED TRAINING PROGRAM DEFINED.—
24 The term ‘qualified training program’ means any of the
25 following:

1 “(1) A program eligible to receive funds under
2 the Workforce Innovation and Opportunity Act (29
3 U.S.C. 3101 et seq.).

4 “(2) A program eligible to receive funds under
5 the Carl D. Perkins Career and Technical Education
6 Act of 2006 (20 U.S.C. 2301 et seq.).

7 “(3) A program registered under the Act of Au-
8 gust 16, 1937 (commonly known as the ‘National
9 Apprenticeship Act’; Stat. 664, chapter 663; 29
10 U.S.C. 50 et seq.).

11 “(4) Any other program determined to be a
12 qualified training program for purposes of this sec-
13 tion, and that meets the workforce needs of the De-
14 partment of Defense, as determined by the Secretary
15 of Defense.”.

16 (2) CLERICAL AMENDMENT.—The table of sec-
17 tions at the beginning of such chapter is amended
18 by inserting after the item relating to section 2409
19 the following new item:

“2409a. Incentives and consideration for qualified training programs.”.

1 **SEC. 823.[Log 70025] INCENTIVES AND CONSIDERATION**
2 **FOR UTILIZATION OF QUALIFIED APPREN-**
3 **TICES BY PROSPECTIVE MILITARY CON-**
4 **STRUCTION CONTRACTORS.**

5 (a) REQUIREMENTS.—Subchapter III of chapter 169
6 of title 10, United States Code, is amended by adding at
7 the end the following new section:

8 **“§ 2870. Utilization of qualified apprentices by mili-**
9 **tary construction contractors**

10 “(a) INCENTIVES.—The Secretary of Defense shall
11 develop incentives for prospective contractors on military
12 construction projects to meet or exceed the apprenticeship
13 employment goal.

14 “(b) APPRENTICESHIP EMPLOYMENT GOAL.—

15 “(1) IN GENERAL.—In this section, the term
16 ‘apprenticeship employment goal’ means the utiliza-
17 tion of qualified apprentices as 10 percent of the
18 total workforce employed in an apprenticeable occu-
19 pation (as determined by the Secretary of Labor).

20 “(2) QUALIFIED APPRENTICE.—In paragraph
21 (1), the term ‘qualified apprentice’ means an em-
22 ployee participating in an apprenticeship program
23 that is registered with—

24 “(A) the Office of Apprenticeship of the
25 Employment Training Administration of the
26 Department of Labor; or

1 “(B) a State apprenticeship agency recog-
2 nized by such Office of Apprenticeship pursuant
3 to the Act of August 16, 1937 (popularly
4 known as the ‘National Apprenticeship Act’; 29
5 U.S.C. 50 et seq.).

6 “(c) CONSIDERATION OF APPRENTICESHIP EMPLOY-
7 MENT GOAL.—The Secretary of Defense shall revise the
8 Defense Supplement to the Federal Acquisition Regula-
9 tion to require that the system used by the Federal Gov-
10 ernment to monitor or record contractor past performance
11 includes an analysis of whether the contractor meets or
12 exceeds the apprenticeship employment goal described in
13 subsection (b) as part of the past performance rating of
14 such contractor.”.

15 (b) CLERICAL AMENDMENT.—The table of sections
16 at the beginning of subchapter III of chapter 169 of title
17 10, United States Code, is amended by adding at the end
18 the following new item:

 “2870. Utilization of qualified apprentices by military construction contrac-
 tors.”.

19 (c) APPLICABILITY.—The amendments made by this
20 section shall apply with respect to contracts awarded on
21 or after the date that is 180 days after the date of the
22 enactment of this Act.

1 **Subtitle D—Industrial Base**
2 **Matters**

3 **SEC. 830.[Log 70088] SIZE STANDARD CALCULATIONS FOR**
4 **CERTAIN SMALL BUSINESS CONCERNS.**

5 (a) CLARIFYING AMENDMENT TO THE SMALL BUSI-
6 NESS RUNWAY EXTENSION ACT OF 2018.—Section
7 3(a)(2)(C) of the Small Business Act (15 U.S.C.
8 632(a)(2)(C)) is amended by inserting “(including the Ad-
9 ministration when acting pursuant to subparagraph (A))”
10 after “no Federal department or agency”.

11 (b) FINALIZATION OF SMALL BUSINESS RUNWAY
12 EXTENSION ACT OF 2018 RULES.—The Administrator of
13 the Small Business Administration shall issue a final rule
14 implementing the Small Business Runway Extension Act
15 of 2018 (Public Law 115–324) not later than December
16 17, 2019.

17 (c) AMENDMENT TO SIZE STANDARDS FOR CERTAIN
18 SMALL BUSINESS CONCERNS.—

19 (1) SIZE STANDARDS FOR SMALL BUSINESS
20 CONCERNS PROVIDING SERVICES.—Section
21 3(a)(2)(C)(ii)(II) of the Small Business Act (15
22 U.S.C. 632(a)(2)(C)(ii)(II)) is amended by striking
23 “not less than”.

24 (2) SIZE STANDARDS FOR OTHER BUSINESS
25 CONCERNS.—Section 3(a)(2)(C)(ii)(III) of the Small

1 Business Act (15 U.S.C. 632(a)(2)(C)(ii)(III)) is
2 amended by striking “not less than 3 years” and in-
3 sserting “5 years”.

4 (d) TRANSITION PLAN FOR THE SMALL BUSINESS
5 RUNWAY EXTENSION ACT OF 2018.—

6 (1) PLAN REQUIRED.—Not later than 90 days
7 after the date of the enactment of this Act, the Ad-
8 ministrator of the Small Business Administration
9 shall implement a transition plan to assist business
10 concerns and Federal agencies with compliance with
11 the requirements of the Small Business Runway Ex-
12 tension Act of 2018 (Public Law 115–324).

13 (2) 3–YEAR CALCULATION FOR SIZE STAND-
14 ARDS.—

15 (A) IN GENERAL.—The transition plan de-
16 scribed under paragraph (1) shall include a re-
17 quirement that, during the period beginning on
18 December 17, 2018, and ending on the date
19 that is 6 months after the date on which the
20 Administrator issues final rules implementing
21 the Small Business Runway Extension Act of
22 2018 (Public Law 115–324), allows the use of
23 a 3-year calculation for a size standard to be
24 applied to a business concern if the use of such
25 3-year calculation allows such concern to be

1 considered a small business concern under sec-
2 tion 3(a)(1) of the Small Business Act (15
3 U.S.C. 632(a)(1)).

4 (B) 3-YEAR CALCULATION DEFINED.—In
5 this subsection, the term “3-year calculation”
6 means—

7 (i) with respect to a business concern
8 providing services described under clause
9 (ii)(II) of such section, a determination of
10 the size of such concern on the basis of the
11 annual average gross receipts of such con-
12 cern over a period of 3 years; and

13 (ii) with respect to a business concern
14 described under clause (ii)(III) of such sec-
15 tion, a determination of the size of such
16 concern on the basis of data over a period
17 of 3 years.

18 (e) REQUIREMENT TO UPDATE SAM.—Not later
19 than 90 days after the date of the enactment of this Act,
20 the System for Award Management (or any successor sys-
21 tem) shall be updated to comply with the requirements of
22 this Act.

1 **SEC. 831.[Log 70084] MODIFICATIONS TO SMALL BUSINESS**

2 **SUBCONTRACTING.**

3 (a) SMALL BUSINESS LOWER-TIER SUBCON-
4 TRACTING.—Section 8(d) of the Small Business Act (15
5 U.S.C. 637(d)) is amended—

6 (1) by amending paragraph (16) to read as fol-
7 lows:

8 “(16) CREDIT FOR CERTAIN SMALL BUSINESS
9 CONCERN SUBCONTRACTORS.—

10 “(A) IN GENERAL.—For purposes of deter-
11 mining whether or not a prime contractor has
12 attained the percentage goals specified in para-
13 graph (6)—

14 “(i) if the subcontracting goals per-
15 tain only to a single contract with the Fed-
16 eral agency, the prime contractor may elect
17 to receive credit for small business con-
18 cerns performing as first tier subcontrac-
19 tors or subcontractors at any tier pursuant
20 to the subcontracting plans required under
21 paragraph (6)(D) in an amount equal to
22 the total dollar value of any subcontracts
23 awarded to such small business concerns;
24 and

25 “(ii) if the subcontracting goals per-
26 tain to more than one contract with one or

1 more Federal agencies, or to one contract
2 with more than one Federal agency, the
3 prime contractor may only receive credit
4 for first tier subcontractors that are small
5 business concerns.

6 “(B) COLLECTION AND REVIEW OF DATA
7 ON SUBCONTRACTING PLANS.—The head of
8 each contracting agency shall ensure that—

9 “(i) the agency collects and reports
10 data on the extent to which contractors of
11 the agency meet the goals and objectives
12 set forth in subcontracting plans submitted
13 pursuant to this subsection; and

14 “(ii) the agency periodically reviews
15 data collected and reported pursuant to
16 subparagraph (A) for the purpose of en-
17 suring that such contractors comply in
18 good faith with the requirements of this
19 subsection and subcontracting plans sub-
20 mitted by the contractors pursuant to this
21 subsection.

22 “(C) RULE OF CONSTRUCTION.—Nothing
23 in this paragraph shall be construed to allow a
24 Federal agency to establish a goaling require-
25 ment for a prime contractor eligible to receive

1 credit under this paragraph that establishes an
2 amount of subcontracts with a subcontractor
3 that is not a first tier subcontractor for such
4 prime contractor.”; and

5 (2) by adding at the end the following new
6 paragraph:

7 “(18) DISPUTE PROCESS FOR NON-PAYMENT TO
8 SUBCONTRACTORS.—

9 “(A) NOTICE TO AGENCY.—With respect
10 to a contract with a Federal agency, a subcon-
11 tractor of a prime contractor on such contract
12 may, if the subcontractor has not received pay-
13 ment for performance on such contract within
14 30 days of the completion of such performance,
15 notify the Office of Small and Disadvantaged
16 Business Utilization (hereinafter referred to as
17 ‘OSDBU’) of the Federal agency and the prime
18 contractor of such lack of payment.

19 “(B) AGENCY DETERMINATION.—

20 “(i) IN GENERAL.—Upon receipt of a
21 notice described under subparagraph (A)
22 and if such notice is provided to the agen-
23 cy within the 15-day period following the
24 end the 30-day period described in sub-
25 paragraph (A), the OSDBU shall verify

1 whether such lack of payment has occurred
2 and determine whether such lack of pay-
3 ment is due to an undue restriction placed
4 on the prime contractor by an action of the
5 Federal agency.

6 “(ii) RESPONSE DURING DETERMINA-
7 TION.—During the period in which the
8 OSDBU is making the determination
9 under clause (i), the prime contractor may
10 respond to both the subcontractor and the
11 OSDBU with relevant verifying docu-
12 mentation to either prove payment or al-
13 lowable status of nonpayment.

14 “(C) CURE PERIOD.—If the OSDBU
15 verifies that the lack of payment under sub-
16 paragraph (B) is not due to an action of the
17 Federal agency, and the prime contractor has
18 not provided verifying documentation described
19 in subparagraph (B)(ii), the OSDBU shall no-
20 tify the prime contractor and provide the prime
21 contractor with a 15-day period in which the
22 prime contractor may make the payment owed
23 to the subcontractor.

24 “(D) RESULT OF NONPAYMENT.—If, after
25 notifying the prime contractor under subpara-

1 graph (C), the OSDBU determines that the
2 prime contractor has not fully paid the amount
3 owed within the 15-day period described under
4 subparagraph (C), the OSDBU shall ensure
5 that such failure to pay is reflected in the Con-
6 tractor Performance Assessment Reporting sys-
7 tem (or any successor system).”.

8 (b) MAINTENANCE OF RECORDS WITH RESPECT TO
9 CREDIT UNDER A SUBCONTRACTING PLAN.—Section
10 8(d)(6) of the Small Business Act (15 U.S.C. 637(d)(6))
11 is amended—

12 (1) by redesignating subparagraphs (G) and
13 (H) as subparagraphs (H) and (I), respectively (and
14 conforming the margins accordingly); and

15 (2) by inserting after subparagraph (F) the fol-
16 lowing new subparagraph:

17 “(G) a recitation of the types of records the
18 successful offeror or bidder will maintain to dem-
19 onstrate that procedures have been adopted to sub-
20 stantiate the credit the successful offeror or bidder
21 will elect to receive under paragraph (16)(A)(i);”.

1 **SEC. 832.[Log 70083] INCLUSION OF BEST IN CLASS DES-**
2 **IGNATIONS IN ANNUAL REPORT ON SMALL**
3 **BUSINESS GOALS.**

4 Section 15(h) of the Small Business Act (15 U.S.C.
5 644(h)) is amended by adding at the end the following
6 new paragraph:

7 “(4) BEST IN CLASS SMALL BUSINESS PARTICI-
8 PATION REPORTING.—

9 “(A) ADDENDUM.—The Administrator, in
10 addition to the requirements under paragraph
11 (2), shall include in the report required by such
12 paragraph, for each best in class designation—

13 “(i) the total amount of spending
14 Governmentwide in such designation;

15 “(ii) the number of small business
16 concerns awarded contracts and the dollar
17 amount of such contracts awarded within
18 each such designation to each of the fol-
19 lowing—

20 “(I) qualified HUBZone small
21 business concerns;

22 “(II) small business concerns
23 owned and controlled by women;

24 “(III) small business concerns
25 owned and controlled by service-dis-
26 abled veterans; and

1 “(IV) small business concerns
2 owned and controlled by socially and
3 economically disadvantaged individ-
4 uals.

5 “(B) BEST IN CLASS DEFINED.—The term
6 ‘best in class’ has the meaning given such term
7 by the Director of the Office of Management
8 and Budget.

9 “(C) EFFECTIVE DATE.—The Adminis-
10 trator shall report on the information described
11 by subparagraph (A) beginning on the date that
12 such information is available in the Federal
13 Procurement Data System, the System for
14 Award Management, or any successor to such
15 systems.”.

1 **SEC. 833.[Log 70085] SMALL BUSINESS ADMINISTRATION**
2 **CYBERSECURITY REPORTS.**

3 Section 10 of the Small Business Act (15 U.S.C. 639)
4 is amended by inserting after subsection (a) the following:

5 “(b) CYBERSECURITY REPORTS.—

6 “(1) ANNUAL REPORT.—Not later than 180
7 days after the date of enactment of this subsection,
8 and every year thereafter, the Administrator shall
9 submit a report to the appropriate congressional
10 committees that includes—

11 “(A) an assessment of the information
12 technology (as defined in section 11101 of title
13 40, United States Code) and cybersecurity in-
14 frastructure of the Administration;

15 “(B) a strategy to increase the
16 cybersecurity infrastructure of the Administra-
17 tion;

18 “(C) a detailed account of any information
19 technology equipment or interconnected system
20 or subsystem of equipment of the Administra-
21 tion that was manufactured by an entity that
22 has its principal place of business located in
23 China, Iran, Russia, or North Korea; and

24 “(D) an account of any cybersecurity risk
25 or incident that occurred at the Administration
26 during the 2-year period preceding the date on

1 which the report is submitted, and any action
2 taken by the Administrator to respond to or re-
3 mediate any such cybersecurity risk or incident.

4 “(2) ADDITIONAL REPORTS.—If the Adminis-
5 trator determines that there is a reasonable basis to
6 conclude that a cybersecurity risk or incident oc-
7 curred at the Administration, the Administrator
8 shall—

9 “(A) not later than 7 days after the date
10 on which the Administrator makes that deter-
11 mination, notify the appropriate congressional
12 committees of the cybersecurity risk or incident;
13 and

14 “(B) not later than 30 days after the date
15 on which the Administrator makes a determina-
16 tion under subparagraph (A)—

17 “(i) provide notice to individuals and
18 small business concerns affected by the
19 cybersecurity risk or incident; and

20 “(ii) submit to the appropriate con-
21 gressional committees a report, based on
22 information available to the Administrator
23 as of the date which the Administrator
24 submits the report, that includes—

1 “(I) a summary of information
2 about the cybersecurity risk or inci-
3 dent, including how the cybersecurity
4 risk or incident occurred; and

5 “(II) an estimate of the number
6 of individuals and small business con-
7 cerns affected by the cybersecurity
8 risk or incident, including an assess-
9 ment of the risk of harm to affected
10 individuals and small business con-
11 cerns.

12 “(3) RULE OF CONSTRUCTION.—Nothing in
13 this subsection shall be construed to affect the re-
14 porting requirements of the Administrator under
15 chapter 35 of title 44, United States Code, in par-
16 ticular the requirement to notify the Federal infor-
17 mation security incident center under section
18 3554(b)(7)(C)(ii) of such title, or any other provi-
19 sion of law.

20 “(4) DEFINITIONS.—In this subsection:

21 “(A) APPROPRIATE CONGRESSIONAL COM-
22 MITTEES.—The term ‘appropriate congressional
23 committees’ means—

24 “(i) the Committee on Small Business
25 and Entrepreneurship of the Senate; and

1 “(ii) the Committee on Small Busi-
2 ness of the House of Representatives.

3 “(B) CYBERSECURITY RISK; INCIDENT.—
4 The terms ‘cybersecurity risk’ and ‘incident’
5 have the meanings given such terms, respec-
6 tively, under section 2209(a) of the Homeland
7 Security Act of 2002.”.

1 **SEC. 834.[Log 70086] CYBER COUNSELING CERTIFICATION**
2 **PROGRAM FOR LEAD SMALL BUSINESS DE-**
3 **VELOPMENT CENTERS.**

4 Section 21 of the Small Business Act (15 U.S.C. 648)
5 is amended by adding at the end the following:

6 “(o) CYBER COUNSELING CERTIFICATION PROGRAM
7 FOR LEAD SMALL BUSINESS DEVELOPMENT CENTERS.—

8 “(1) CERTIFICATION PROGRAM.—The Adminis-
9 trator shall establish a cyber counseling certification
10 program, or approve a similar existing program, to
11 certify employees of lead small business development
12 centers to provide cyber planning assistance to small
13 business concerns.

14 “(2) NUMBER OF CERTIFIED EMPLOYEES.—
15 The Administrator shall ensure that each lead small
16 business development center has at least 1 employee,
17 and not less than 10 percent of the total number of
18 employees of the lead small business development
19 center, certified in providing cyber planning assist-
20 ance under this subsection.

21 “(3) CONSIDERATION OF SMALL BUSINESS DE-
22 VELOPMENT CENTER CYBER STRATEGY.—In car-
23 rying out this subsection, the Administrator, to the
24 extent practicable, shall consider any cyber strategy
25 methods included in the Small Business Develop-
26 ment Center Cyber Strategy developed under section

1 1841(a)(3)(B) of the National Defense Authoriza-
2 tion Act for Fiscal Year 2017 (Public Law 114–328;
3 130 Stat. 2662) and any cybersecurity outreach con-
4 ducted pursuant to section 2209(l) of the Homeland
5 Security Act of 2002.

6 “(4) REIMBURSEMENT FOR CERTIFICATION.—
7 Subject to the availability of appropriations, the Ad-
8 ministrator shall reimburse a lead small business de-
9 velopment center in an amount not to exceed
10 \$350,000 in any fiscal year for costs relating to the
11 certification of an employee of the lead small busi-
12 ness development center under the program estab-
13 lished under paragraph (1).

14 “(5) DEFINITIONS.—In this subsection:

15 “(A) CYBER PLANNING ASSISTANCE.—The
16 term ‘cyber planning assistance’ means counsel
17 and assistance to improve the cybersecurity in-
18 frastructure, awareness of cyber threat indica-
19 tors, and cyber training programs for employees
20 of a small business concern.

21 “(B) LEAD SMALL BUSINESS DEVELOP-
22 MENT CENTER.—The term ‘lead small business
23 development center’ means a small business de-
24 velopment center that has received a grant
25 under this section.”.

1 **SEC. 835.[Log 70087] EXEMPTION OF CERTAIN CONTRACTS**
2 **FROM THE PERIODIC INFLATION ADJUST-**
3 **MENTS TO THE ACQUISITION-RELATED DOL-**
4 **LAR THRESHOLD.**

5 Subparagraph (B) of section 1908(b)(2) of title 41,
6 United States Code, is amended by inserting “3131 to
7 3134,” after “sections”.

1 **SEC. 836.[Log 70081] AUTHORIZED OFFICIAL TO CARRY OUT**
2 **THE PROCUREMENT TECHNICAL ASSISTANCE**
3 **COOPERATIVE AGREEMENT PROGRAM.**

4 (a) AUTHORIZED OFFICIAL.—Effective October 1,
5 2021, section 2411(3) of title 10, United States Code, is
6 amended by striking “Director of Defense Logistics Agen-
7 cy” and inserting “Under Secretary of Defense for Acqui-
8 sition and Sustainment”.

9 (b) REPORT AND BRIEFING.—Not later than Novem-
10 ber 1, 2020, the Secretary of Defense shall provide to the
11 congressional defense committees a written report and
12 briefing on the activities carried out in preparation for the
13 transition of responsibilities for carrying out the procure-
14 ment technical assistance cooperative agreement program
15 under chapter 142 of title 10, United States Code, from
16 the Director of Defense Logistics Agency to the Under
17 Secretary of Defense for Acquisition and Sustainment, as
18 required by subsection (a).

19 (c) ANNUAL BUDGET JUSTIFICATION DOCU-
20 MENTS.—Not later than February 1, 2022, and each fiscal
21 year thereafter, the Secretary of Defense shall submit to
22 the congressional defense committees a budget justifica-
23 tion display that includes the procurement technical as-
24 sistance cooperative agreement program under chapter
25 142 of title 10, United States Code, as part of the budget

- 1 justification for Operation and Maintenance, Defense-wide
- 2 for the Office of the Secretary of Defense.

1 **SEC. 837.[Log 70018] REAUTHORIZATION OF THE DEPART-**
2 **MENT OF DEFENSE MENTOR-PROTEGE PRO-**
3 **GRAM.**

4 (a) REAUTHORIZATION.—Section 831(j) of the Na-
5 tional Defense Authorization Act for Fiscal Year 1991
6 (Public Law 101–510; 10 U.S.C. 2302 note), is amend-
7 ed—

8 (1) in paragraph (1), by striking “September
9 30, 2018” and inserting “September 30, 2024”; and

10 (2) in paragraph (2), by striking “September
11 30, 2021” and inserting “September 30, 2026”.

12 (b) REPORT.—Not later than 180 days after the date
13 of the enactment of this Act, and annually thereafter until
14 September 30, 2024, the Secretary of Defense shall sub-
15 mit to the congressional defense committees a report on
16 the Mentor-Protege Program established under section
17 831 of the National Defense Authorization Act for Fiscal
18 Year 1991 (Public Law 101–510; 10 U.S.C. 2302 note)
19 that describes—

20 (1) each mentor-protege agreement entered into
21 under such section, disaggregated by the type of dis-
22 advantaged small business concern (as defined in
23 subsection (n) of such section) receiving assistance
24 pursuant to such an agreement;

1 (2) the type of assistance provided to protege
2 firms (as defined in subsection (n) of such section)
3 under each such agreement;

4 (3) the benefits provided to mentor firms (as
5 defined in subsection (n) of such section) under each
6 such agreement; and

7 (4) the progress of protege firms under each
8 such agreement with respect to competing for Fed-
9 eral prime contracts and subcontracts.

1 **Subtitle E—Other Matters**

2 **SEC. 840.[Log 70134] REPORT AND DATABASE ON ITEMS** 3 **MANUFACTURED IN THE UNITED STATES FOR** 4 **MAJOR DEFENSE ACQUISITION PROGRAMS.**

5 (a) SENSE OF CONGRESS.—It is the sense of Con-
6 gress that any equipment or products purchased for major
7 defense acquisition programs (as defined in section 2430
8 of title 10, United States Code) should be manufactured
9 in the United States substantially all from articles, mate-
10 rials, or supplies mined, produced, or manufactured in the
11 United States, and that any such equipment or products
12 purchased by any entity of the Department of Defense
13 should be American-made, provided that American-made
14 equipment and products are of a quality similar to that
15 of competitive offers and are available in a timely manner
16 to meet mission requirements.

17 (b) IN GENERAL.—Chapter 144 of title 10, United
18 States Code, is amended by inserting after section 2436
19 the following new section:

20 **“§ 2436a. Major defense acquisition programs: report**
21 **and database on items manufactured in**
22 **the United States**

23 “(a) REPORT.—Beginning not later than one year
24 after the date of the enactment of this Act, the Secretary
25 of Defense shall submit to the congressional defense com-

1 mitted an annual report on the percentage of any items
2 procured in connection with a major defense acquisition
3 program that are manufactured in the United States sub-
4 stantially all from articles, materials, or supplies mined,
5 produced, or manufactured in the United States.

6 “(b) DATABASE.—The Secretary of Defense shall es-
7 tablish a database for information related to items de-
8 scribed in the report required under subsection (a) that
9 can be used for continuous data analysis to inform acquisi-
10 tion decisions relating to major defense acquisition pro-
11 grams.”.

12 (c) CLERICAL AMENDMENT.—The table of section at
13 the beginning of such chapter is amended by inserting
14 after the item relating to section 2436 the following new
15 item:

“2436a. Major defense acquisition programs: report and database on items man-
ufactured in the United States.”.

1 **SEC. 841.[Log 69957] REQUIREMENTS RELATING TO SE-**
2 **LECTED ACQUISITION REPORTS.**

3 (a) INAPPLICABILITY OF TERMINATION OF REPORT
4 SUBMITTAL TO CONGRESS.—

5 (1) IN GENERAL.—Selected Acquisition Reports
6 required by section 2432 of title 10, United States
7 Code, shall not constitute reports covered by sub-
8 section (b) of section 1080 of the National Defense
9 Authorization Act for Fiscal Year 2016 (Public Law
10 114–92; 129 Stat. 1000; 10 U.S.C. 111 note), and
11 their submittal to Congress as required by such sec-
12 tion 2432 shall not be terminated by operation of
13 subsection (a) of such section 1080.

14 (2) CONFORMING AMENDMENT.—Effective on
15 December 30, 2021, section 1051(x) of the National
16 Defense Authorization Act for Fiscal Year 2018
17 (Public Law 115–91; 131 Stat. 1567) is amended by
18 striking paragraph (4).

19 (b) FORM OF SELECTED ACQUISITION REPORTS.—
20 Section 2432 of title 10, United States Code, is amended
21 by adding at the end the following new subsection:

22 “(i) A report required under this section shall be sub-
23 mitted in unclassified form without any designation relat-
24 ing to dissemination control, but may contain a classified
25 annex.”.

1 (c) REPORT ON ALTERNATIVE METHODOLOGY.—The
2 Secretary of Defense shall include with the budget for fis-
3 cal year 2021, as submitted to Congress pursuant to sec-
4 tion 1105(a) of title 31, United States Code, a report pro-
5 posing an alternative methodology for providing status re-
6 ports on major defense acquisition programs and other ac-
7 quisition activities, including programs carried out under
8 section 804 of the National Defense Authorization Act for
9 Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2302
10 note), where such status reports shall include information
11 on—

12 (1) scheduled and completed cybersecurity tests
13 of software acquired through a program covered by
14 the status report, including assessments on coopera-
15 tive vulnerability and penetration and adversarial as-
16 sessments;

17 (2) software development metrics, including ini-
18 tial and most recent estimates of the projected value,
19 sizing, schedule, and level of effort for software ac-
20 quired through a program covered by the status re-
21 port; and

22 (3) quality metrics for software acquired
23 through a program covered by the status report.

24 (d) GUIDANCE ON CYBERSECURITY TESTS.—With
25 respect to cybersecurity tests included in the alternative

1 methodology report described in subsection (c)(1), the
2 Secretary of Defense, in coordination with the Director of
3 Operational Test and Evaluation, shall develop policies on
4 the selection of cybersecurity tests, methods to consist-
5 ently describe the cybersecurity tests, and methods to as-
6 sociate cybersecurity tests with a component part of a sys-
7 tem or a version of the software tested.

1 **SEC. 842.[Log 70015] CONTRACTOR SCIENCE, TECHNOLOGY,**
2 **ENGINEERING, AND MATH PROGRAMS.**

3 (a) IN GENERAL.—Section 862 of National Defense
4 Authorization Act for Fiscal Year 2012 (Public Law 112–
5 181; 125 Stat. 1521; 10 U.S.C. note prec. 2191) is
6 amended—

7 (1) in subsection (a), in the matter preceding
8 paragraph (1)—

9 (A) by striking “Under Secretary of De-
10 fense for Acquisition, Technology, and Logis-
11 tics” and inserting “Under Secretary of De-
12 fense for Research and Engineering”; and

13 (B) by striking “ensure that Department
14 of Defense contractors” and inserting “encour-
15 age Department of Defense contractors to”;
16 and

17 (2) by amending subsection (b) to read as fol-
18 lows:

19 “(b) ALLOWABLE COST.—The cost of participating
20 in activities described in subsection (a) to a Department
21 of Defense contractor shall be deemed to be an allowable
22 cost under a contract between the contractor and the De-
23 partment of Defense.”.

24 (b) IMPLEMENTATION.—Not later than 180 days
25 after the date of the enactment of this Act, the Secretary

- 1 of Defense shall issue such rules or guidance necessary
- 2 to implement the amendments made by this section.

1 **SEC. 844.[Log 70221] REQUIREMENTS RELATING TO CER-**
2 **TAIN RAIL ROLLING STOCK PROCUREMENTS**
3 **AND OPERATIONS.**

4 (a) LIMITATION ON CERTAIN RAIL ROLLING STOCK
5 PROCUREMENTS.—Section 5323 of title 49, United States
6 Code, is amended by adding at the end the following:

7 “(u) LIMITATION ON CERTAIN RAIL ROLLING STOCK
8 PROCUREMENTS.—

9 “(1) IN GENERAL.—Except as provided in para-
10 graph (5), financial assistance made available under
11 this chapter shall not be used in awarding a contract
12 or subcontract to an entity on or after the date of
13 enactment of this subsection for the procurement of
14 rail rolling stock for use in public transportation if
15 the manufacturer of the rail rolling stock—

16 “(A) is incorporated in or has manufac-
17 turing facilities in the United States; and

18 “(B) is owned or controlled by, is a sub-
19 sidiary of, or is otherwise related legally or fi-
20 nancially to a corporation based in a country
21 that—

22 “(i) is identified as a nonmarket econ-
23 omy country (as defined in section 771(18)
24 of the Tariff Act of 1930 (19 U.S.C.
25 1677(18))) as of the date of enactment of
26 this subsection;

1 “(ii) was identified by the United
2 States Trade Representative in the most
3 recent report required by section 182 of
4 the Trade Act of 1974 (19 U.S.C. 2242)
5 as a priority foreign country under sub-
6 section (a)(2) of that section; and

7 “(iii) is subject to monitoring by the
8 Trade Representative under section 306 of
9 the Trade Act of 1974 (19 U.S.C. 2416).

10 “(2) EXCEPTION.—For purposes of paragraph
11 (1), the term ‘otherwise related legally or financially’
12 does not include a minority relationship or invest-
13 ment.

14 “(3) INTERNATIONAL AGREEMENTS.—This sub-
15 section shall be applied in a manner consistent with
16 the obligations of the United States under inter-
17 national agreements.

18 “(4) CERTIFICATION FOR RAIL ROLLING
19 STOCK.—

20 “(A) IN GENERAL.—Except as provided in
21 paragraph (5), as a condition of financial as-
22 sistance made available in a fiscal year under
23 section 5337, a recipient that operates rail fixed
24 guideway service shall certify in that fiscal year
25 that the recipient will not award any contract

1 or subcontract for the procurement of rail roll-
2 ing stock for use in public transportation with
3 a rail rolling stock manufacturer described in
4 paragraph (1).

5 “(B) SEPARATE CERTIFICATION.—The cer-
6 tification required under this paragraph shall be
7 in addition to any certification the Secretary es-
8 tablishes to ensure compliance with the require-
9 ments of paragraph (1).

10 “(5) EXCEPTION.—This subsection, including
11 the certification requirement under paragraph (4),
12 shall not apply to the award of a contract or sub-
13 contract made by a public transportation agency
14 with a rail rolling stock manufacturer described in
15 paragraph (1) if the manufacturer and the public
16 transportation agency have a contract for rail rolling
17 stock that was executed before the date of enact-
18 ment of this subsection.”.

19 (b) CYBERSECURITY CERTIFICATION FOR RAIL
20 ROLLING STOCK AND OPERATIONS.—Section 5323 of title
21 49, United States Code, as amended by subsection (a),
22 is amended by adding at the end the following:

23 “(v) CYBERSECURITY CERTIFICATION FOR RAIL
24 ROLLING STOCK AND OPERATIONS.—

1 “(1) CERTIFICATION.—As a condition of finan-
2 cial assistance made available under this chapter, a
3 recipient that operates a rail fixed guideway public
4 transportation system shall certify that the recipient
5 has established a process to develop, maintain, and
6 execute a written plan for identifying and reducing
7 cybersecurity risks.

8 “(2) COMPLIANCE.—For the process required
9 under paragraph (1), a recipient of assistance under
10 this chapter shall—

11 “(A) utilize the approach described by the
12 voluntary standards and best practices devel-
13 oped under section 2(c)(15) of the National In-
14 stitute of Standards and Technology Act (15
15 U.S.C. 272(c)(15)), as applicable;

16 “(B) identify hardware and software that
17 the recipient determines should undergo third-
18 party testing and analysis to mitigate
19 cybersecurity risks, such as hardware or soft-
20 ware for rail rolling stock under proposed pro-
21 curements; and

22 “(C) utilize the approach described in any
23 voluntary standards and best practices for rail
24 fixed guideway public transportation systems

1 developed under the authority of the Secretary
2 of Homeland Security, as applicable.

3 “(3) LIMITATIONS ON STATUTORY CONSTRUC-
4 TION.—Nothing in this subsection shall be construed
5 to interfere with the authority of—

6 “(A) the Secretary of Homeland Security
7 to publish or ensure compliance with require-
8 ments or standards concerning cybersecurity for
9 rail fixed guideway public transportation sys-
10 tems; or

11 “(B) the Secretary of Transportation
12 under section 5329 to address cybersecurity
13 issues as those issues relate to the safety of rail
14 fixed guideway public transportation systems.”.

1 **Subtitle A—Office of the Secretary**
2 **of Defense and Related Matters**

3 **SEC. 901 [Log 69506]. UPDATE OF AUTHORITIES RELATING**
4 **TO NUCLEAR COMMAND, CONTROL, AND**
5 **COMMUNICATIONS.**

6 (a) DUTIES AND POWERS OF UNDER SECRETARY OF
7 DEFENSE FOR ACQUISITION AND SUSTAINMENT.—Sec-
8 tion 133b(b) of title 10, United States Code, is amended—

9 (1) by redesignating paragraphs (4), (5), (6),
10 and (7) as paragraphs (5), (6), (7), and (8), respec-
11 tively;

12 (2) by inserting after paragraph (3) the fol-
13 lowing new paragraph (4):

14 “(4) establishing policies for, and providing
15 oversight, guidance, and coordination for, nuclear
16 command and control systems;” and

17 (3) in paragraph (6), as so redesignated, by in-
18 sserting after “overseeing the modernization of nu-
19 clear forces” the following: “, including the nuclear
20 command, control, and communications system,”.

21 (b) CHIEF INFORMATION OFFICER.—Section
22 142(b)(1) of such title is amended—

23 (1) by striking subparagraph (G); and

24 (2) by redesignating subparagraphs (H) and (I)
25 as subparagraphs (G) and (H), respectively.

1 **Subtitle B—Other Department of**
2 **Defense Organization and Man-**
3 **agement Matters**

4 **SEC. 911 [Log 69215]. CODIFICATION OF ASSISTANT SECRE-**
5 **TARIES FOR ENVIRONMENT, INSTALLATIONS,**
6 **AND ENERGY OF THE ARMY, NAVY, AND AIR**
7 **FORCE.**

8 (a) ASSISTANT SECRETARY OF THE ARMY.—Section
9 7016(b) of title 10, United States Code, is amended by
10 adding at the end the following new paragraph:

11 “(6)(A) One of the Assistant Secretaries shall be the
12 Assistant Secretary for Installations, Energy, and Envi-
13 ronment.

14 “(B) The principal duty of the Assistant Secretary
15 for Installations, Energy, and Environment shall be the
16 overall supervision of installation, energy, and environ-
17 ment matters for the Department of the Army.”.

18 (b) ASSISTANT SECRETARY OF THE NAVY.—Section
19 8016(b) of title 10, United States Code, is amended by
20 adding at the end the following new paragraph:

21 “(5)(A) One of the Assistant Secretaries shall be the
22 Assistant Secretary for Energy, Installations, and Envi-
23 ronment.

24 “(B) The principal duty of the Assistant Secretary
25 for Energy, Installations, and Environment shall be the

1 overall supervision of installation, energy, and environ-
2 ment matters for the Department of the Navy.”.

3 (c) ASSISTANT SECRETARY OF THE AIR FORCE.—

4 Section 9016(b) of title 10, United States Code, is amend-
5 ed by adding at the end the following new paragraph:

6 “(5)(A) One of the Assistant Secretaries shall be the
7 Assistant Secretary for Installations, Environment, and
8 Energy.

9 “(B) The principal duty of the Assistant Secretary
10 for Installations, Environment, and Energy shall be the
11 overall supervision of installation, energy, and environ-
12 ment matters for the Department of the Air Force.”.

1 **Subtitle C—Space Matters**

2 **SEC. 921 [Log 69946]. UNITED STATES SPACE COMMAND.**

3 (a) RESTORATION OF GENERAL AUTHORITY FOR ES-
4 TABLISHMENT OF UNIFIED COMMAND.—

5 (1) IN GENERAL.—Section 169 of title 10,
6 United States Code, is repealed.

7 (2) CLERICAL AMENDMENT.—The table of sec-
8 tions at the beginning of chapter 6 of title 10,
9 United States Code, is amended by striking the item
10 relating to section 169.

11 (b) CONFORMING AMENDMENT.—Section
12 2273a(d)(3) of title 10, United States Code, is amended
13 by striking “The Commander of the United States Stra-
14 tegic Command, acting through the United States Space
15 Command,” and inserting “The Commander of the United
16 States Space Command, or, if no such command exists,
17 the Commander of the United States Strategic Com-
18 mand,”.

1 **Subtitle A—Financial Matters**

2 **SEC. 1001 [Log 69420]. GENERAL TRANSFER AUTHORITY.**

3 (a) **AUTHORITY TO TRANSFER AUTHORIZATIONS.—**

4 (1) **AUTHORITY.**—Upon determination by the
5 Secretary of Defense that such action is necessary in
6 the national interest, the Secretary may transfer
7 amounts of authorizations made available to the De-
8 partment of Defense in this division for fiscal year
9 2019 between any such authorizations for that fiscal
10 year (or any subdivisions thereof). Amounts of au-
11 thorizations so transferred shall be merged with and
12 be available for the same purposes as the authoriza-
13 tion to which transferred.

14 (2) **LIMITATION.**—Except as provided in para-
15 graph (3), the total amount of authorizations that
16 the Secretary may transfer under the authority of
17 this section may not exceed \$1,000,000,000.

18 (3) **EXCEPTION FOR TRANSFERS BETWEEN**
19 **MILITARY PERSONNEL AUTHORIZATIONS.**—A trans-
20 fer of funds between military personnel authoriza-
21 tions under title IV shall not be counted toward the
22 dollar limitation in paragraph (2).

23 (b) **LIMITATIONS.**—The authority provided by sub-
24 section (a) to transfer authorizations—

1 (1) may only be used to provide authority for
2 items that have a higher priority than the items
3 from which authority is transferred; and

4 (2) may not be used to provide authority for an
5 item that has been denied authorization by Con-
6 gress.

7 (c) ADDITIONAL LIMITATION ON TRANSFERS FOR
8 DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES.—
9 The authority provided by subsection (a) may not be used
10 to transfer any amount to Drug Interdiction and Counter
11 Drug Activities, Defense-wide.

12 (d) EFFECT ON AUTHORIZATION AMOUNTS.—A
13 transfer made from one account to another under the au-
14 thority of this section shall be deemed to increase the
15 amount authorized for the account to which the amount
16 is transferred by an amount equal to the amount trans-
17 ferred.

18 (e) NOTICE TO CONGRESS.—The Secretary shall
19 promptly notify Congress of each transfer made under
20 subsection (a).

21 (f) CERTIFICATION REQUIREMENT.—The authority
22 to transfer any authorization under this section may not
23 be used until the Secretary of Defense and the head of
24 each entity affected by such transfer submits to the con-

1 gressional defense committees certification in writing
2 that—

3 (1) the amount transferred will be used for
4 higher priority items, based on unforeseen military
5 requirements, than the items from which authority is
6 transferred; and

7 (2) the amount transferred will not be used for
8 any item for which funds have been denied author-
9 ization by Congress.

1 **SEC. 1002 [Log 69375]. ADDITIONAL REQUIREMENTS FOR**
2 **ANNUAL REPORT AND BRIEFING ON FINAN-**
3 **CIAL IMPROVEMENT AND AUDIT REMEDI-**
4 **ATION PLAN.**

5 Section 240b(b) of title 10, United States Code, is
6 amended—

7 (1) in paragraph (1)(B)(iv), by adding at the
8 end the following new subclause:

9 “(IV) A current accounting of
10 the defense business systems of the
11 Department of Defense that will be
12 introduced, replaced, updated, modi-
13 fied, or retired in connection with the
14 audit of the full financial statements
15 of the Department, including a com-
16 prehensive roadmap that displays—

17 “(aa) in-service, retirement,
18 and other pertinent dates for af-
19 fected defense business systems;

20 “(bb) current cost-to-com-
21 plete estimates for each affected
22 system; and

23 “(cc) dependencies both be-
24 tween the various defense busi-
25 ness systems and between the in-
26 troduction, replacement, update,

1 modification, and retirement of
2 such systems.”;

3 (2) in paragraph (2), by adding at the end the
4 following new sentence: “Such briefing shall also in-
5 clude a description of any updates to the defense
6 business systems roadmap referred to in paragraph
7 (1)(B)(iv)(IV).”; and

8 (3) by amending paragraph (3) to read as fol-
9 lows:

10 “(3) DEFINITIONS.—In this subsection:

11 “(A) The term ‘critical capabilities’ means
12 the critical capabilities described in the Depart-
13 ment of Defense report titled ‘Financial Im-
14 provement and Audit Readiness (FIAR) Plan
15 Status Report’ and dated May 2016.

16 “(B) The term ‘defense business system’
17 has the meaning given such term in section
18 2222(i)(1)(A) of this title.”.

1 **SEC. 1003 [Log 70060]. REPORTING REQUIREMENTS RELAT-**
2 **ING TO DEPARTMENT OF DEFENSE AUDITS.**

3 (a) ANNUAL REPORT.—

4 (1) IN GENERAL.—Chapter 9A of title 10,
5 United States Code, is amended by adding at the
6 end the following new section:

7 **“§ 240g. Annual report on auditable financial state-**
8 **ments**

9 “(a) IN GENERAL.—Not later than January 30 of
10 each year, the Secretary of Defense shall submit to the
11 congressional defense committees a report ranking each
12 of the military departments and Defense Agencies in order
13 of how advanced they are in achieving auditable financial
14 statements as required by law. In preparing the report,
15 the Secretary shall seek to exclude information that is oth-
16 erwise available in other reports to Congress.

17 “(b) BOTTOM QUARTILE.—Not later than June 30
18 of each year, the head of each of the military departments
19 and Defense Agencies that were ranked in the bottom
20 quartile of the report submitted under subsection (a) for
21 that year shall submit to the congressional defense com-
22 mittees a report that includes the following information
23 for that military department or Defense Agency:

24 “(1) A description of the material weaknesses
25 of the military department or Defense Agency.

26 “(2) The underlying causes of such weaknesses.

1 “(3) A plan for remediating such weaknesses.”.

2 (2) CLERICAL AMENDMENT.—The table of sec-
3 tions at the beginning of such chapter is amended
4 by adding at the end the following new item:

 “240g. Annual report on auditable financial statements.”.

5 (b) LIMITATION ON USE OF FUNDS.—Of the
6 amounts authorized to be appropriated or otherwise made
7 available by this Act for travel of persons for the head
8 of a military department or Defense Agency described in
9 subsection (b) of section 240g of title 10, United States
10 Code, as added by subsection (a), for fiscal year 2020,
11 not more than 80 percent may be obligated or expended
12 before the submittal of the report required under that sub-
13 section for that military department or Defense Agency.

14 (c) PLAN FOR ACHIEVING UNMODIFIED AUDIT OPIN-
15 ION ON CONSOLIDATED AUDIT.—

16 (1) REPORT REQUIRED.—Not later than 90
17 days after the date of the enactment of this Act, the
18 Secretary of Defense shall submit to the congress-
19 sional defense committees a report containing the
20 plan of the Secretary for achieving an unmodified
21 audit opinion of the Department of Defense-wide
22 consolidated audit by not later than five years after
23 the date of the enactment of this Act.

24 (2) LIMITATION ON USE OF FUNDS.—Of the
25 amounts authorized to be appropriated or otherwise

1 made available by this Act for Operation and Main-
2 tenance, Defense-Wide, Office of the Secretary of
3 Defense, for Travel of Persons for fiscal year 2020,
4 not more than 70 percent may be obligated or ex-
5 pended before the date on which the Secretary sub-
6 mits the report required under paragraph (1).

1 **SEC. 1005 [Log 70211]. DETERMINATION OF BUDGETARY EF-**
2 **FACTS.**

3 The budgetary effects of this Act, for the purpose of
4 complying with the Statutory Pay-As-You-Go Act of 2010,
5 shall be determined by reference to the latest statement
6 titled “Budgetary Effects of PAYGO Legislation” for this
7 Act, submitted for printing in the Congressional Record
8 by the Chairman of the House Budget Committee, pro-
9 vided that such statement has been submitted prior to the
10 vote on passage.

1 **Subtitle B—Counterdrug Activities**

2 **SEC. 1011 [Log 69489]. MODIFICATION OF AUTHORITY TO**
3 **PROVIDE SUPPORT TO OTHER AGENCIES FOR**
4 **COUNTERDRUG ACTIVITIES AND ACTIVITIES**
5 **TO COUNTER TRANSNATIONAL ORGANIZED**
6 **CRIME.**

7 (a) TYPES OF SUPPORT.—Paragraph (7) of sub-
8 section (b) of section 284 of title 10, United States Code,
9 is amended—

10 (1) by striking “and fences”; and

11 (2) by striking “to block” and inserting
12 “along”.

13 (b) CONGRESSIONAL NOTIFICATION.—Subsection
14 (h)(1) of such section is amended—

15 (1) by redesignating subparagraphs (A) and
16 (B) as subparagraphs (B) and (C), respectively; and

17 (2) by inserting before subparagraph (B), as so
18 redesignated, the following new subparagraph (A):

19 “(A) In case of support for a purpose de-
20 scribed in subsection (b)—

21 “(i) an identification of the recipient
22 of the support;

23 “(ii) a description of the support pro-
24 vided;

1 “(iii) a description of the sources and
2 amounts of funds used to provide such
3 support;

4 “(iv) a description of the amount of
5 funds obligated to provide such support;

6 “(v) an assessment of the efficacy and
7 cost-effectiveness of such support in ad-
8 vancing the objectives and strategy of the
9 department or agency to which the support
10 will be provided;

11 “(vi) any document describing a re-
12 quest for assistance from any other depart-
13 ment or agency of the United States and
14 any response to such a request from an-
15 other department or agency of the United
16 States to which support will be provided;
17 and

18 “(vii) in the case of any support for a
19 purpose described under subsection (b)(7),
20 metrics and analysis that establish that an
21 area is a drug smuggling corridor.”.

1 **SEC. 1012 [Log 69565]. TECHNICAL CORRECTION AND EX-**
2 **TENSION OF REPORTING REQUIREMENT RE-**
3 **GARDING ENHANCEMENT OF INFORMATION**
4 **SHARING AND COORDINATION OF MILITARY**
5 **TRAINING BETWEEN DEPARTMENT OF HOME-**
6 **LAND SECURITY AND DEPARTMENT OF DE-**
7 **FENSE.**

8 Section 1014 of the National Defense Authorization
9 Act for Fiscal Year 2017 (Public Law 114–328) is amend-
10 ed—

- 11 (1) by striking “section 371 of title 10, United
12 States Code” each place it appears and inserting
13 “section 271 of title 10, United States Code”; and
14 (2) in subsection (d)(3) by striking “January
15 31, 2020” and inserting “December 31, 2022”.

1 **SEC. 1022 [Log 70002]. USE OF NATIONAL DEFENSE SEALIFT**
2 **FUND FOR PROCUREMENT OF TWO USED**
3 **VESSELS.**

4 Pursuant to section 2218(f)(3) of title 10, United
5 States Code, and using amounts authorized to be appro-
6 priated for Operation and Maintenance, Navy, for fiscal
7 year 2020, the Secretary of the Navy shall seek to enter
8 into a contract for the procurement of two used vessels.

1 **Subtitle D—Counterterrorism**

2 **SEC. 1031 [Log 69726]. EXTENSION OF AUTHORITY FOR**
3 **JOINT TASK FORCES TO PROVIDE SUPPORT**
4 **TO LAW ENFORCEMENT AGENCIES CON-**
5 **DUCTING COUNTER-TERRORISM ACTIVITIES.**

6 (a) **EXTENSION.**—Subsection (b) of section 1022 of
7 the National Defense Authorization Act for Fiscal Year
8 2004 (Public Law 108–136; 10 U.S.C. 271 note) is
9 amended by striking “2020” and inserting “2022”.

10 (b) **TECHNICAL CORRECTIONS.**—Subsection (e) of
11 such section is amended—

12 (1) in paragraph (1), by inserting a period at
13 the end; and

14 (2) by adding at the end the following para-
15 graph (2):

16 “(2) For purposes of applying the definition of
17 transnational organized crime under paragraph (1) to this
18 section, the term ‘illegal means’, as it appears in such defi-
19 nition, includes the trafficking of money, human traf-
20 ficking, illicit financial flows, illegal trade in natural re-
21 sources and wildlife, trade in illegal drugs and weapons,
22 and other forms of illegal means determined by the Sec-
23 retary of Defense.”.

1 **SEC. 1032 [Log 69288]. PROHIBITION ON USE OF FUNDS FOR**
2 **TRANSFER OR RELEASE OF INDIVIDUALS DE-**
3 **TAINED AT UNITED STATES NAVAL STATION,**
4 **GUANTANAMO BAY, CUBA, TO CERTAIN**
5 **COUNTRIES.**

6 No amounts authorized to be appropriated or other-
7 wise made available for the Department of Defense may
8 be used during the period beginning on the date of the
9 enactment of this Act and ending on December 31, 2020,
10 to transfer, release, or assist in the transfer or release of
11 any individual detained in the custody or under the control
12 of the Department of Defense at United States Naval Sta-
13 tion, Guantanamo Bay, Cuba, to the custody or control
14 of any country, or any entity within such country, as fol-
15 lows:

- 16 (1) Libya.
17 (2) Somalia.
18 (3) Syria.
19 (4) Yemen.

1 **SEC. 1033 [Log 69290]. PROHIBITION ON USE OF FUNDS FOR**
2 **TRANSFER TO AND DETENTION OF ADDI-**
3 **TIONAL INDIVIDUALS, INCLUDING UNITED**
4 **STATES CITIZENS, AT UNITED STATES NAVAL**
5 **STATION, GUANTANAMO BAY, CUBA.**

6 (a) PROHIBITION ON USE OF FUNDS.—No amounts
7 authorized to be appropriated or otherwise made available
8 to the Department of Defense may be used during the pe-
9 riod beginning on the date of the enactment of this Act
10 and ending on December 31, 2020, to—

11 (1) detain or provide assistance relating to the
12 detention of any individual, including any United
13 States citizen, pursuant to the law of war or a pro-
14 ceeding under chapter 47A of title 10, United States
15 Code, at United States Naval Station, Guantanamo
16 Bay, Cuba; or

17 (2) transfer or provide assistance relating to the
18 transfer of any individual, including any United
19 States citizen, for the purpose of detaining such in-
20 dividual pursuant to the law of war or a proceeding
21 under chapter 47A of title 10, United States Code,
22 at United States Naval Station, Guantanamo Bay,
23 Cuba.

24 (b) EXCEPTION.—The prohibition in subsection (a)
25 shall not apply to an individual who is or was detained
26 pursuant to the law of war or a Military Commissions Act

1 proceeding on or after May 2, 2018, at United States
2 Naval Station, Guantanamo Bay, Cuba, by the Depart-
3 ment of Defense.

4 (c) DISPOSITION PLAN.—Not later than 60 days
5 after the date of the enactment of this Act, the Attorney
6 General, in consultation with the Secretary of Defense,
7 shall submit to the congressional defense committees a
8 plan identifying a disposition, other than continued law
9 of war detention at United States Naval Station, Guanta-
10 namo Bay, Cuba, for each individual detained at United
11 States Naval Station, Guantanamo Bay, Cuba, as of the
12 date of the enactment of this Act.

1 **SEC. 1034 [Log 70095]. SENSE OF CONGRESS REGARDING**
2 **THE PROVISION OF MEDICAL CARE TO INDI-**
3 **VIDUALS DETAINED AT UNITED STATES**
4 **NAVAL STATION, GUANTANAMO BAY, CUBA.**

5 (a) FINDINGS.—Congress makes the following find-
6 ings:

7 (1) The individuals detained at United States
8 Naval Station, Guantanamo Bay, Cuba, are aging,
9 and such individuals are increasingly subject to a
10 number of health conditions exacerbated by age and
11 the circumstances of their cases.

12 (2) Expeditionary medical treatment of individ-
13 uals detained at United States Naval Station, Guan-
14 tanamo Bay, Cuba, is logistically challenging and in-
15 creasingly costly, especially treatment related to
16 complex ailments that may become exacerbated with
17 age.

18 (3) Medical care at United States Naval Sta-
19 tion, Guantanamo Bay, Cuba, is likely to become an
20 increasing challenge for the United States Govern-
21 ment.

22 (4) Medical challenges at United States Naval
23 Station, Guantanamo Bay, Cuba, also cause difficul-
24 ties affecting the functions and processes of the mili-
25 tary commissions and periodic review boards.

1 (b) SENSE OF CONGRESS.—It is the sense of Con-
2 gress that—

3 (1) the United States has an ongoing obligation
4 to provide medical care to individuals detained at
5 United States Naval Station, Guantanamo Bay,
6 Cuba, meeting appropriate standards of care; and

7 (2) the Secretary of Defense should take into
8 account the standards of care provided at other rel-
9 evant facilities, including those administered by the
10 Federal Bureau of Prisons, in determining the poli-
11 cies of the Department of Defense regarding the
12 provision of medical care to individuals detained at
13 United States Naval Station, Guantanamo Bay,
14 Cuba.

1 **SEC. 1044 [Log 69180]. MODIFICATION AND TECHNICAL COR-**
2 **RECTION OF AUTHORITY FOR DEPLOYMENT**
3 **OF MEMBERS OF THE ARMED FORCES TO**
4 **THE SOUTHERN LAND BORDER OF THE**
5 **UNITED STATES.**

6 (a) **AUTHORITY.**—Subsection (a) of section 1059 of
7 the National Defense Authorization Act for Fiscal Year
8 2016 (Public Law 114–92; 129 Stat. 986; 10 U.S.C. 271
9 note prec.) is amended to read as follows:

10 “(a) **AUTHORITY.**—

11 “(1) **IN GENERAL.**—The Secretary of Defense
12 may provide assistance to United States Customs
13 and Border Protection for purposes of increasing on-
14 going efforts to secure the southern land border of
15 the United States in accordance with the require-
16 ments of this section.

17 “(2) **CERTIFICATION REQUIREMENT.**—If the
18 Secretary of Defense provides assistance under para-
19 graph (1), not later than 30 days before the provi-
20 sion of such assistance, the Secretary shall submit to
21 the Committees on Armed Services of the Senate
22 and House of Representatives certification, in writ-
23 ing, that—

24 “(A) the provision of the assistance will
25 not negatively affect military training, oper-
26 ations, readiness, or other military requirement,

1 including the readiness of the National Guard
2 and reserve components; and

3 “(B) the tasks associated with the support
4 provided align with the mission or occupational
5 specialty of any members of the Armed Forces
6 or units of the Armed Forces that are deployed;
7 and

8 “(C) any task associated with the support
9 is inherently governmental and cannot be per-
10 formed by a contractor.

11 “(3) NOTIFICATION REQUIREMENT.—Not later
12 than 30 days before the deployment of any member
13 of the Armed Forces or unit of the Armed Forces
14 to the southern land border of the United States in
15 support United States Customs and Border Protec-
16 tion pursuant to this section or any other provision
17 of law, the Secretary of Defense shall provide to the
18 Committees on Armed Forces of the Senate and
19 House of Representatives notice of such deploy-
20 ment.”.

21 (b) SUPPORT.—Subsection (e) of such section is
22 amended—

23 (1) by striking “Of the amounts authorized to
24 be appropriated for the Department of Defense by
25 this Act, the” and inserting “The”;

1 (2) by striking “use up to \$75,000,000 to”; and
2 (3) by inserting “on a reimbursable basis” after
3 “subsection (a)”.

4 (c) REPORTING REQUIREMENTS.—Subsection (f) of
5 such section is amended to read as follows:

6 “(f) REPORTS.—

7 “(1) REPORT REQUIRED.—Not later than 30
8 days after the date on which any member of the
9 Armed Forces is deployed along the southern land
10 border of the United States at the request of the
11 Secretary of Homeland Security, and every 90 days
12 thereafter until no members are so deployed, the
13 Secretary of Defense shall submit to the Committee
14 on Armed Services and the Committee on Homeland
15 Security and Governmental Affairs of the Senate
16 and the Committee on Armed Services and the Com-
17 mittee on Homeland Security of the House of Rep-
18 resentatives a report that includes, for both the pe-
19 riod covered by the report and the total period of the
20 deployment, each of the following:

21 “(A) An identification of each unit of the
22 Armed Forces so deployed, including for each
23 such unit—

24 “(i) the duty station or location to
25 which the unit is assigned;

1 “(ii) the unit designation;

2 “(iii) the size of the unit; and

3 “(iv) whether any personnel in the
4 unit deployed under section 12302 of title
5 10, United States Code.

6 “(B) An identification of any training ex-
7 ercises that were planned prior to such deploy-
8 ment that included deployed units and were
9 planned to be executed after the date of the de-
10 ployment.

11 “(C) For each unit so deployed, the readi-
12 ness rating of the unit before deployment and
13 15 days after the last day of such deployment.

14 “(D) The projected length of the deploy-
15 ment and any special pay and incentives for
16 which deployed personnel may qualify during
17 the deployment.

18 “(E) A description of any specific pre-de-
19 ployment training provided to any individual or
20 unit before being so deployed, including the lo-
21 cation and duration of any such training.

22 “(F) A description of the rules and addi-
23 tional guidance applicable to the deployment,
24 including—

1 “(i) any special instructions provided
2 to units so deployed prior to deployment;

3 “(ii) the standing rules for the use of
4 force for deployed personnel; and

5 “(iii) whether personnel carry as-
6 signed weapons and are issued ammuni-
7 tion.

8 “(G) A description of the life support con-
9 ditions, including living quarters and food ra-
10 tion cycles, associated with such deployment
11 and associated costs.

12 “(H) A map indicating the locations where
13 units so deployed are housed.

14 “(I) A map indicating the locations where
15 units so deployed are conducting their assigned
16 mission and an explanation for the choice of
17 such locations.

18 “(J) A description of the specific missions
19 and tasks, by location, that are assigned to the
20 members of the Armed Forces who are so de-
21 ployed.

22 “(K) The total amount of funds obligated
23 or expended to provide support along the south-
24 ern border of the United States, including costs
25 associated with personnel (set forth separately

1 from any special pay and allowances), transpor-
2 tation, operations, and any materials used in
3 support of any such deployment or support pro-
4 vided.

5 “(L) An assessment of the ongoing efficacy
6 and cost-effectiveness of the provision of such
7 assistance, including a comparison to the execu-
8 tion by United States Customs and Border Pro-
9 tection, the strategy and recommendations of
10 the Secretary to address the challenges on the
11 southern border of the United States and to en-
12 hance the effectiveness of such assistance, and
13 a plan to transition the functions performed by
14 the members of the Armed Forces pursuant to
15 such assistance.

16 “(M) The justification of United States
17 Customs and Border Protection determining
18 each location where the Department of Defense
19 provides support under this section and any ac-
20 tions taken by the Department of Homeland
21 Security to complete the mission or tasks before
22 requesting support from the Department of De-
23 fense and determining when support from the
24 Department of Defense is needed, including—

1 “(i) copies of any relevant documents
2 that describe the factors taken into consid-
3 eration in requesting support from the De-
4 partment of Defense;

5 “(ii) the analysis that informs the
6 placement of members of the Armed
7 Forces along the southern land border of
8 the United States; and

9 “(iii) any memorandum, including re-
10 quests for assistance and responses to such
11 requests, shared between the Department
12 of Homeland Security and the Department
13 of Defense regarding the need for the de-
14 ployment of members of the Armed Forces
15 along the southern land border of the
16 United States.

17 “(2) FORM OF REPORT.—Each report sub-
18 mitted under this subsection shall be submitted in
19 unclassified form and without any designation relat-
20 ing to dissemination control, but may include a clas-
21 sified annex.”.

22 (d) TERMINATION OF AUTHORITY.—Such section is
23 further amended by adding at the end the following new
24 subsection:

1 “(g) TERMINATION.—The authority under this sec-
2 tion shall terminate on September 30, 2023.”.

3 (e) CLASSIFICATION.—The Law Revision Counsel is
4 directed to place this section in a note following section
5 284 of title 10, United States Code.

1 **SEC. 1046 [Log 69631]. PROHIBITION ON USE OF FUNDS FOR**
2 **CONSTRUCTION OF A WALL, FENCE, OR**
3 **OTHER PHYSICAL BARRIER ALONG THE**
4 **SOUTHERN BORDER OF THE UNITED STATES.**

5 (a) PROHIBITION.—National defense funds may not
6 be obligated, expended, or otherwise used to design or
7 carry out a project to construct, replace, or modify a wall,
8 fence, or other physical barrier along the international
9 border between the United States and Mexico.

10 (b) NATIONAL DEFENSE FUNDS DEFINED.—In this
11 section, the term “national defense funds” means—

12 (1) amounts authorized to be appropriated for
13 any purpose in this division or authorized to be ap-
14 propriated in division A of any National Defense Au-
15 thorization Act for any of fiscal years 2015 through
16 2019, including any amounts of such an authoriza-
17 tion made available to the Department of Defense
18 and transferred to another authorization by the Sec-
19 retary of Defense pursuant to transfer authority
20 available to the Secretary; and

21 (2) funds appropriated in any Act pursuant to
22 an authorization of appropriations described in para-
23 graph (1).

1 **SEC. 1047 [Log 69302]. EXPENDITURE OF FUNDS FOR DE-**
2 **PARTMENT OF DEFENSE INTELLIGENCE AND**
3 **COUNTERINTELLIGENCE ACTIVITIES.**

4 (a) IN GENERAL.—Subject to subsections (b) and (c),
5 the Secretary of Defense may expend amounts made avail-
6 able for the Military Intelligence Program for any of fiscal
7 years 2020 through 2025 for intelligence and counterintel-
8 ligence activities for any purpose the Secretary determines
9 to be proper with regard to intelligence and counterintel-
10 ligence objects of a confidential, extraordinary, or emer-
11 gency nature. Such a determination is final and conclusive
12 upon the accounting officers of the United States.

13 (b) LIMITATION ON AMOUNT.—The Secretary of De-
14 fense may not expend more than five percent of the
15 amounts described in subsection (a) for any fiscal year for
16 objects described in that subsection unless—

17 (1) the Secretary notifies the congressional de-
18 fense committees and the congressional intelligence
19 committees of the intent to expend the amounts and
20 purpose of the expenditure; and

21 (2) 30 days have elapsed from the date on
22 which the Secretary provides the notice described in
23 paragraph (1).

24 (c) CERTIFICATION.—For each expenditure of funds
25 under this section, the Secretary shall certify that such

1 expenditure was made for an object of a confidential, ex-
2 traordinary, or emergency nature.

3 (d) REPORT.—Not later than December 31 of each
4 of 2020 through 2025, the Secretary of Defense shall sub-
5 mit to the congressional defense committees and the con-
6 gressional intelligence committees a report on expendi-
7 tures made under this section during the fiscal year pre-
8 ceding the year in which the report is submitted. Each
9 such report shall include, for each expenditure under this
10 section during the fiscal year covered by the report, a de-
11 scription, the purpose, the program element, and the cer-
12 tification required under section (c).

13 (e) LIMITATION ON DELEGATIONS.—The Secretary
14 of Defense may not delegate the authority under this sec-
15 tion with respect to any expenditure in excess of \$75,000.

16 (f) CONGRESSIONAL INTELLIGENCE COMMITTEES
17 DEFINED.—In this section, the term “congressional intel-
18 ligence committees” means—

19 (1) the Select Committee on Intelligence of the
20 Senate; and

21 (2) the Permanent Select Committee on Intel-
22 ligence of the House of Representatives.

1 **Subtitle F—Studies and Reports**

2 **SEC. 1061 [Log 69717]. REPORT ON TRANSFERS OF EQUIP-**
3 **MENT TO PROHIBITED ENTITIES.**

4 (a) ANNUAL REPORT TO CONGRESS.—

5 (1) IN GENERAL.—Subchapter VIII of chapter
6 16 of title 10, United States Code, is amended by
7 adding at the end the following new section:

8 **“§ 387. Annual report on transfers of equipment to**
9 **prohibited entities**

10 “(a) REPORT REQUIRED.—Not later than March 1
11 of 2021 and each subsequent year, the Secretary of De-
12 fense, in coordination with the Secretary of State, shall
13 submit to the appropriate committees of Congress a report
14 on the transfer of defense articles during the year pre-
15 ceding the year during which the report is submitted to—

16 “(1) any unit committing a gross violation of
17 human rights; or

18 “(2) any group or organization prohibited from
19 receiving assistance from the United States.

20 “(b) MATTERS TO BE INCLUDED.—Each report re-
21 quired by subsection (a) shall include the following for the
22 year covered by the report:

23 “(1) A description of any confirmed instance in
24 which the government of a foreign state that has re-
25 ceived defense articles pursuant to a Department of

1 Defense assistance authority has subsequently trans-
2 ferred the equipment to a unit of that foreign state
3 that is prohibited from receiving assistance from the
4 United States by reason of a determination by the
5 Secretary of State that there is credible evidence
6 that such unit has committed a gross violation of
7 human rights.

8 “(2) A description of any instance, confirmed or
9 under investigation, in which the government of a
10 foreign state that has received defense articles pur-
11 suant to a Department of Defense assistance author-
12 ity has subsequently transferred the equipment to a
13 group or organization that is prohibited from receiv-
14 ing assistance from the United States.

15 “(c) APPROPRIATE COMMITTEES OF CONGRESS DE-
16 FINED.—In this section, the term ‘appropriate committees
17 of Congress’ means—

18 “(1) the Committee on Armed Services and the
19 Committee on Foreign Relations of the Senate; and

20 “(2) the Committee on Armed Services and the
21 Committee on Foreign Affairs of the House of Rep-
22 resentatives.”.

23 (2) CLERICAL AMENDMENT.—The table of sec-
24 tions at the beginning of such chapter is amended

1 by inserting after the item relating to section 386
2 the following new item:

“387. Annual report on transfers of equipment to prohibited entities.”.

3 (b) REPORT TO CONGRESS.—

4 (1) REPORT REQUIRED.—Not later than March
5 1, 2020, the Secretary of Defense shall submit to
6 the appropriate committees of Congress (as such
7 term is defined in section 387 of title 10, United
8 States Code, as added by subsection (a)), a report
9 on the transfer of defense articles during the period
10 beginning on January 1, 2015, and ending on the
11 date of the enactment of this Act to—

12 (A) any unit committing a gross violation
13 of human rights; or

14 (B) any group or organization prohibited
15 from receiving assistance from the United
16 States.

17 (2) MATTERS FOR INCLUSION.—Such report
18 shall include, for such period, each of the following:

19 (A) A description of any confirmed in-
20 stance in which the government of a foreign
21 state that has received defense articles pursuant
22 to a Department of Defense assistance author-
23 ity has subsequently transferred the equipment
24 to a unit of that foreign state that is prohibited
25 from receiving assistance from the United

1 States by reason of a determination by the Sec-
2 retary of State that there is credible evidence
3 that such unit has committed a gross violation
4 of human rights.

5 (B) A description of any instance, con-
6 firmed or under investigation, in which the gov-
7 ernment of a foreign state that has received de-
8 fense articles pursuant to a Department of De-
9 fense assistance authority has subsequently
10 transferred the equipment to a group or organi-
11 zation that is prohibited from receiving assist-
12 ance from the United States.

1 **SEC. 1062 [Log 70144]. ELIMINATION OF REQUIREMENT TO**
2 **SUBMIT REPORTS TO CONGRESS IN PAPER**
3 **FORMAT.**

4 Section 480 of title 10, United States Code, is
5 amended—

6 (1) in subsection (a), by striking “a copy of”;

7 (2) by redesignating subsection (c) as sub-
8 section (d); and

9 (3) by inserting after subsection (b) the fol-
10 lowing new subsection:

11 “(c) **ELIMINATION OF PAPER SUBMISSION REQUIRE-**
12 **MENT.**—Whenever the Secretary (or other official) pro-
13 vides a report to Congress (or any committee of either
14 House of Congress) in an electronic medium under sub-
15 section (a), the Secretary (or other official) shall not be
16 required to submit an additional copy of the report in a
17 paper format.”.

1 **SEC. 1063 [Log 70111]. MODIFICATION OF ANNUAL REPORT**
2 **ON CIVILIAN CASUALTIES IN CONNECTION**
3 **WITH UNITED STATES MILITARY OPER-**
4 **ATIONS.**

5 (a) **ADDITIONAL ELEMENT FOR REPORT.**—Sub-
6 section (b) of section 1057 of the National Defense Au-
7 thorization Act for Fiscal Year 2018 (Public Law 115–
8 91; 131 Stat. 1572), as amended by section 1062 of the
9 John S. McCain National Defense Authorization Act for
10 Fiscal Year 2019 (Public Law 115–232), is amended—

11 (1) by redesignating paragraphs (5) and (6) as
12 paragraphs (8) and (9), respectively; and

13 (2) by inserting after paragraph (4) the fol-
14 lowing new paragraphs:

15 “(5) A description of any allegations of civilian
16 casualties made by public or non-governmental
17 sources investigated by the Department of Defense.

18 “(6) An evaluation of the general reasons for
19 any discrepancies between the assessments of the
20 United States and reporting from nongovernmental
21 organizations regarding non-combatant deaths re-
22 sulting from strikes and operations undertaken by
23 the United States.

24 “(7) The definitions of ‘combatant’ and ‘non-
25 combatant’ used in the preparation of the report.”.

1 (b) DEFINITION OF NON-COMBATANT.—Such section
2 is further amended—

3 (1) by redesignating subsection (e) as sub-
4 section (f); and

5 (2) by inserting after subsection (d) the fol-
6 lowing new subsection (e):

7 “(e) DEFINITION OF NON-COMBATANT.—For pur-
8 poses of the preparation of a report under this section,
9 the Secretary of Defense shall define the term ‘non-com-
10 batant’. Such definition shall—

11 “(1) be consistent with the laws of war; and

12 “(2) provide that a male of military age shall
13 not be determined to be a combatant solely on the
14 basis of proximity to a strike or nonstrike kinetic op-
15 eration, or the intended target of such an oper-
16 ation.”.

17 (c) EXTENSION.—Subsection (f) of such section, as
18 so redesignated, is amended by striking “five years” and
19 inserting “ten years”.

20 (d) CLASSIFICATION.—The Law Revision Counsel is
21 directed to place this section in a note following section
22 113 of title 10, United States Code.

1 **SEC. 1070 [Log 70110]. GEOGRAPHIC COMMAND RISK AS-**
2 **SESSMENT OF PROPOSED USE OF CERTAIN**
3 **AIRCRAFT CAPABILITIES.**

4 (a) IN GENERAL.—Not later than March 31, 2020,
5 each commander of a geographic combatant command
6 shall submit to the congressional defense committees a re-
7 port containing an assessment of the level of operational
8 risk to that command posed by the plans of the Depart-
9 ment of the Navy and Department of the Air Force to
10 provide a mix of fifth generation and advanced fourth gen-
11 eration tactical aircraft capabilities to meet contingency
12 and steady-state operational requirements against adver-
13 saries in support of the objectives of the 2018 national
14 defense strategy.

15 (b) ASSESSMENT OF RISK.—In assessing levels of
16 operational risk under subsection (a), a commander shall
17 use the military risk matrix of the Chairman of the Joint
18 Chiefs of Staff, as described in CJCS Instruction
19 3401.01E.

20 (c) GEOGRAPHIC COMBATANT COMMAND.—In this
21 section, the term “geographic combatant command”
22 means each of the following:

- 23 (1) United States European Command.
- 24 (2) United States Indo-Pacific Command.
- 25 (3) United States Africa Command.
- 26 (4) United States Southern Command.

- 1 (5) United States Northern Command.
- 2 (6) United States Central Command.

1 **Subtitle G—Other Matters**

2 **SEC. 1081 [Log 69199]. TECHNICAL, CONFORMING, AND**
3 **CLERICAL AMENDMENTS.**

4 (a) TITLE 10, UNITED STATES CODE.—Title 10,
5 United States Code, is amended as follows:

6 (1) The table of chapters at the beginning of
7 subtitle A, and at the beginning of part I of such
8 subtitle, are each amended by striking the item re-
9 lating to chapter 9A and inserting the following:

“9A. Audit 240a”.

10 (2) The table of chapters at the beginning of
11 subtitle A, and at the beginning of part I of such
12 subtitle, are each amended by striking the item re-
13 lating to chapter 112 and inserting the following:

“112. Cyber Scholarship Program 2200”.

14 (3) Section 113(j)(1) is amended by inserting
15 “the” before “congressional defense committees”.

16 (4) Section 119a is amended in each of the sub-
17 section headings for subsections (a) and (b) by strik-
18 ing “AACMS” and inserting “ACCMS”.

19 (5) Section 127(c)(1) is amended by inserting
20 “the” before “congressional defense committees”.

21 (6) Section 130i is amended—

22 (A) in subsection (i)(1), by inserting “(C)”
23 after “(j)(3)”; and

1 (B) in subsection (j)(6), by striking
2 “40101” and inserting “44802”.

3 (7) Section 131(b)(8) is amended by redesignig-
4 nating subparagraph (I) as subparagraph (F).

5 (8) Section 132 is amended by redesignating
6 subsection (e) as subsection (d).

7 (9) The item relating to section 169 in the table
8 of sections at the beginning of chapter 6 is amended
9 by inserting a period after “Command”.

10 (10) The item relating to section 183a in the
11 table of sections at the beginning of chapter 7 is
12 amended to read as follows:

“183a. Military Aviation and Installation Assurance Clearinghouse for review of
mission obstructions.”.

13 (11) Section 222a(d)(3)(A) is amended by in-
14 serting “had” before “been”.

15 (12) Section 222b(a) is amended by striking
16 “United States Code,”.

17 (13) Section 284 is amended—

18 (A) by striking “section 376” both places
19 it appears and inserting “section 276”;

20 (B) in subsection (f), by inserting “)” after
21 “Stat. 1564”;

22 (C) in subsection (g)(2), by striking “sec-
23 tion 375” and inserting “section 275”; and

1 (D) in subsection (h)(1)(A)(vi)(VI) by
2 striking “section 1004 of the National Defense
3 Authorization Act for Fiscal Year 1991 (10
4 U.S.C. 374 note) and”.

5 (14) Section 240b(b)(1)(B)(i) is amended by
6 striking “section 253a” and inserting “section
7 240e”.

8 (15) The table of sections at the beginning of
9 subchapter V of chapter 16 is amended by striking
10 “Sec.” after the item relating to section 350.

11 (16) Section 341(e)(2)(A) is amended by add-
12 ing a period at the end.

13 (17) Section 526(k) is amended by inserting
14 “the” before “number of general officers”.

15 (18) Section 649j is amended by striking “(a)
16 IN GENERAL.—The” and inserting “The”.

17 (19) Section 651(a) is amended by inserting
18 “shall serve” after “(50 U.S.C. 3806(d)(1))”.

19 (20) The heading of section 928b (article 128b
20 of the Uniform Code of Military Justice) is amended
21 to read as follows:

22 **“§ 928b. Art. 128b. Domestic violence”.**

23 (21) Section 1034(b)(1)(B)(ii) is amended by
24 striking “subsection (i)” and inserting “subsection
25 (j)”;

1 (22) Section 1073c(a) is amended by redesignig-
2 nating the second paragraph (4) as paragraph (6).

3 (23) Section 1074g(b) is amended by striking
4 “under subsection (h)” and inserting “under sub-
5 section (i)”.

6 (24) Section 1075(d)(1) is amended in the table
7 by striking “25% of out of network” and inserting
8 “25% out of network”.

9 (25) Section 1076d(d)(1) is amended by strik-
10 ing “section 1075 of this section” and inserting
11 “section 1075 of this title”.

12 (26) Section 1076e(d)(1) is amended by strik-
13 ing “section 1075 of this section” and inserting
14 “section 1075 of this title”.

15 (27) Section 1142(c)(3) is amended by striking
16 “paragraph (2)(B)” and inserting “paragraph
17 (2)(C)”.

18 (28) Section 1762(e) is amended by striking “in
19 at any one time” and inserting “at any one time in”.

20 (29) Section 1788a is amended in subsection
21 (d)(1) by striking “Not later than March 1, 2019,
22 and each March 1 thereafter” and inserting “Not
23 later than March 1 each year”.

24 (30) Section 2208(u) is amended by inserting
25 “of this title” after “2805” each place it appears.

1 (31) Section 2216(b)(1) is amended by striking
2 “subsection (c)(1)(B)(iii)” and inserting “subsection
3 (c)(1)(B)(ii)”.

4 (32) Section 2222(i)(11) is amended by striking
5 “subsection (a)(6)(A)” and inserting “subsection
6 (e)(6)(A)”.

7 (33) Section 2228(a)(2) is amended by striking
8 the second period at the end.

9 (34) The item relating to section 2229b in the
10 table of sections at the beginning of chapter 131 is
11 amended to read as follows:

“2229b. Comptroller General assessment of acquisition programs and initia-
tives.”.

12 (35) Section 2273(b)(1) is amended by insert-
13 ing a semicolon at the end.

14 (36) The heading for section 2279d is amended
15 by striking the period at the end.

16 (37) The heading of section 2284, as added by
17 section 311(a) of the John S. McCain National De-
18 fense Authorization Act for Fiscal Year 2019 (Pub-
19 lic Law 115–232; 132 Stat. 1708), is amended to
20 read as follows:

21 **“§ 2284. Explosive ordnance disposal defense pro-
22 gram”.**

23 (38) Section 2304(f)(1)(B) is amended—

1 (A) in clause (ii), by striking “paragraph
2 (6)(A)” and inserting “paragraph (5)(A)”; and

3 (B) in clause (iii), by striking “paragraph
4 (6)(B)” and inserting “paragraph (5)(B)”.

5 (39) Section 2305a(d)(1) is amended by strik-
6 ing “a indefinite” and inserting “an indefinite”.

7 (40)(A) Section 2304e is amended by striking
8 the last four words of the section heading.

9 (B) Section 2323a is amended—

10 (i) in the section heading, by striking the
11 last six words; and

12 (ii) in subsection (e)—

13 (I) in paragraph (1), by striking “102
14 Stat. 2468;”;

15 (II) in paragraph (2), by striking
16 “(25 U.S.C. 450b(d))” and inserting “(25
17 U.S.C. 5304(d))”; and

18 (III) in paragraph (3), by striking
19 “(25 U.S.C. 450b(e))” and inserting “(25
20 U.S.C. 5304(e))”.

21 (C) The table of sections at the beginning of
22 chapter 137 is amended by striking the last four
23 words of the item relating to section 2304e and the
24 last six words of the item relating to section 2323a.

1 (41) Section 2307(a) is amended by striking
2 “may” and inserting “may—”.

3 (42) Section 2313b(d) is amended by striking
4 “an task order” both places it appears and inserting
5 “a task order”.

6 (43) Section 2329(g)(1) is amended by striking
7 “‘bridge contact’” and inserting “‘bridge con-
8 tract’”.

9 (44) Section 2339a(e)(5) is amended by strik-
10 ing “section 3542(b)” and inserting “section
11 3552(b)(6)”.

12 (45) Section 2366a(c)(1)(F) is amended by
13 striking “section 2366a(b)(6) of this title” and in-
14 serting “subsection (b)(6)”.

15 (46) Section 2371b(d)(1)(C) is amended by
16 striking “other than” after “sources”.

17 (47) Section 2380B is amended—

18 (A) by inserting “section” before “2376(1)
19 of this title”; and

20 (B) by striking “purposed of” and insert-
21 ing “purposes of”.

22 (48) Section 2401(e)(2) is amended by striking
23 “subsection (f)” and inserting “subsection (g)”.

24 (49) Section 2417(a)(2) is amended by striking
25 “of eligible entities” and all that follows through

1 “for meetings” and inserting the following: “of eligi-
2 ble entities—

3 “(A) for meetings”.

4 (50) The item relating to section 2439 in the
5 table of sections at the beginning of chapter 144 is
6 amended to read as follows:

“2439. Negotiation of price for technical data before development, production,
or sustainment of major weapon systems.”.

7 (51) The item relating to subchapter II in the
8 table of subchapters for chapter 144B is amended to
9 read as follows:

**“II. Development, Prototyping, and Deployment of
Weapon System Components or Tech-
nology2447a”.**

10 (52) Section 2447a(a) is amended by striking
11 “after fiscal year 2017”.

12 (53) Section 2547(b)(2) is amended—

13 (A) by striking “material” and inserting
14 “materiel”; and

15 (B) by striking “Material” both places it
16 appears and inserting “Materiel”.

17 (54) Section 2802(e)(1) is amended by striking
18 “shall comply with” and inserting “shall—

19 “(A) comply with”.

20 (55) Section 2804(b) is amended—

21 (A) in the second sentence—

22 (i) by striking “(1)” and “(2)”; and

1 (ii) by striking “project and” and in-
2 serting “project,”; and

3 (B) in the third sentence, by striking “;
4 and”.

5 (56) Section 2805(d)(1)(B) is amended by in-
6 serting “under” after “made available”.

7 (57) Section 2835a(c) is amended by striking
8 “(1) The Secretary” and inserting “The Secretary”.

9 (58) Section 2879(a)(2)(A) is amended by
10 striking the comma after “2017”.

11 (59) Section 2913(c) is amended by striking
12 “government a gas or electric utility” and inserting
13 “government gas or electric utility”.

14 (60) The item relating to section 2914 in the
15 table of sections at the beginning of chapter 173 is
16 amended to read as follows:

“2914. Energy resilience and conservation construction projects.”.

17 (61)(A) The heading of section 8749, as
18 amended by section 1114(b)(2) and redesignated by
19 section 807(d)(6) of the John S. McCain National
20 Defense Authorization Act for Fiscal Year 2019
21 (Public Law 115–232), is amended by capitalizing
22 the initial letter of the fifth, sixth, and seventh
23 words and the initial letter of the last two words.

24 (B) The heading of section 8749a, as added by
25 section 1114(a) and redesignated by section 8(d)(6)

1 of the John S. McCain National Defense Authoriza-
2 tion Act for Fiscal Year 2019 (Public Law 115–
3 232), is amended by capitalizing the initial letter of
4 the fifth, sixth, and seventh words.

5 (62) Section 9069(a) is amended by striking
6 “are” and inserting “is”.

7 (63) Section 10217(e)(4) is amended by strik-
8 ing “shall an individual” and inserting “shall be an
9 individual”.

10 (64) The item relating to section 2568a in the
11 table of sections at the beginning of chapter 152 is
12 amended to read as follows:

“2568a. Damaged personal protective equipment: award to members separating
from the armed forces and veterans.”.

13 (b) NDAA FOR FISCAL YEAR 2019.—Effective as of
14 August 13, 2018, and as if included therein as enacted,
15 the John S. McCain National Defense Authorization Act
16 for Fiscal Year 2019 (Public Law 115–232) is amended
17 as follows:

18 (1) Section 331(g)(2) (132 Stat. 1724) is
19 amended by inserting “of such title” after “chapter
20 2”.

21 (2) Section 844(b) (132 Stat. 1881) is amended
22 by striking “This section and the amendments made
23 by this section” and inserting “The amendment
24 made by subsection (a)”.

1 (3) Section 1246(1)(B) (132 Stat. 2049) is
2 amended by adding at the end before the semicolon
3 the following: “and transferring it to appear after
4 paragraph (15)”.

5 (4) Section 2805(c) (132 Stat. 2262; 10 U.S.C.
6 2864 note) is amended by striking “United Facilities
7 Criteria” and inserting “Unified Facilities Criteria”.

8 (c) NDAA FOR FISCAL YEAR 2018.—Effective as of
9 December 12, 2017, and as if included therein as enacted,
10 section 1609(b)(3) of the National Defense Authorization
11 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.
12 1728; 10 U.S.C. 2273 note) is amended by striking “,
13 and,” and inserting “, and”.

14 (d) NDAA FOR FISCAL YEAR 2012.—Effective as of
15 December 31, 2011, and as if included therein as enacted,
16 section 315 of the National Defense Authorization Act for
17 Fiscal Year 2012 (Public Law 112–81; 125 Stat. 1358;
18 10 U.S.C. 2911 note) is amended by redesignating sub-
19 sections (d), (e), and (f) as subsections (c), (d), and (e),
20 respectively.

21 (e) COORDINATION WITH OTHER AMENDMENTS
22 MADE BY THIS ACT.—For purposes of applying amend-
23 ments made by provisions of this Act other than this sec-
24 tion, the amendments made by this section shall be treated

1 as having been enacted immediately before any such
2 amendments by other provisions of this Act.

1 **SEC. 1082 [Log 70217]. SUBMISSION TO CONGRESS OF DE-**
2 **PARTMENT OF DEFENSE EXECUTE ORDERS.**

3 (a) IN GENERAL.—Chapter 2 of title 10, United
4 States Code, is amended by adding at the end the fol-
5 lowing new section:

6 **“§ 119b. Execute orders: congressional oversight**

7 “Not later than 30 days after the date on which the
8 Secretary of Defense or the commander of a combatant
9 command issues an execute order, the Secretary of De-
10 fense shall provide to the chairman and ranking member
11 of each of the congressional defense committees, and their
12 designated staff with the appropriate security clearance,
13 a copy of the execute order.”.

14 (b) CLERICAL AMENDMENT.—The table of sections
15 at the beginning of such chapter is amended by adding
16 at the end the following new item:

“119b. Execute orders: congressional oversight.”.

17 (c) PREVIOUSLY ISSUED EXECUTE ORDERS.—Not
18 later than 30 days after the date of the enactment of this
19 Act, the Secretary of Defense shall submit to the chairman
20 and ranking member of each of the congressional defense
21 committees, and their designated staff with the appro-
22 priate security clearance, copies of each execute order
23 issued by the Secretary or by a commander of a combatant
24 command before the date of the enactment of this Act.

1 **SEC. 1084 [Log 69467]. NATIONAL COMMISSION ON MILITARY**
2 **AVIATION SAFETY.**

3 (a) EXTENSION OF DEADLINE FOR REPORT.—Sub-
4 section (h)(2) of section 1087 of the John S. McCain Na-
5 tional Defense Authorization Act for Fiscal Year 2019
6 (Public Law 115–232) is amended by striking “March 1,
7 2020” and inserting “December 1, 2020”.

8 (b) SECRETARY OF DEFENSE REPORT.—Such sec-
9 tion is further amended by adding at the end the following
10 new subsection:

11 “(1) REPORT TO CONGRESS.—Not later than 120
12 days after the date of the submittal of the report under
13 subsection (h)(2), the Secretary of Defense, in coordina-
14 tion with the Secretary of each of the military depart-
15 ments, shall submit to the Committees on Armed Services
16 of the Senate and House of Representatives a report that
17 includes each of the following:

18 “(1) An assessment of the findings and conclu-
19 sions of the Commission.

20 “(2) The plan of the Secretaries for imple-
21 menting the recommendations of the Commission.

22 “(3) Any other actions taken or planned by the
23 Secretary of Defense or the Secretary of any of the
24 military departments to improve military aviation
25 safety.”.

1 (c) AUTHORIZATION OF APPROPRIATIONS.—In addi-
2 tion to any other amounts authorized to be appropriated
3 for the National Commission on Military Aviation Safety
4 established under section 1087 of the John S. McCain Na-
5 tional Defense Authorization Act for Fiscal Year 2019
6 (Public Law 115–232), of the amounts authorized to be
7 appropriated for Operation and Maintenance, Defense-
8 wide for fiscal year 2020, as specified in the funding table
9 in section 4301, \$3,000,000 shall be available for the Na-
10 tional Commission on Aviation Safety.

1 **SEC. 1086 [Log 70112]. ASSESSMENT OF STANDARDS, PROC-**
2 **ESSES, PROCEDURES, AND POLICY RELATING**
3 **TO CIVILIAN CASUALTIES.**

4 (a) ASSESSMENT REQUIRED.—The Secretary of De-
5 fense shall enter into an agreement with a federally funded
6 research and development center for the conduct of an
7 independent assessment of the sufficiency of Department
8 of Defense standards, processes, procedures, and policy re-
9 lating to civilian casualties resulting from United States
10 military operations.

11 (b) MATTERS TO BE CONSIDERED.—In conducting
12 the assessment under this section, the federally funded re-
13 search and development center shall consider the following
14 matters:

15 (1) Department of Defense policy relating to ci-
16 vilian casualties resulting from United States mili-
17 tary operations.

18 (2) Standards, processes, and procedures for in-
19 ternal assessments and investigations of civilian cas-
20 ualties resulting from United States military oper-
21 ations.

22 (3) Standards, processes, and procedures for
23 identifying, assessing, investigating, and responding
24 to reports of civilian casualties resulting from United
25 States military operations from the public and non-
26 governmental entities and sources, including the con-

1 sideration of relevant information from all available
2 sources.

3 (4) Combatant command organizational con-
4 structs for assessing and investigating civilian cas-
5 ualties resulting from United States military oper-
6 ations.

7 (5) Mechanisms for public and non-govern-
8 mental entities to report civilian casualties that have
9 resulted from United States military operations to
10 the Department of Defense.

11 (6) Enterprise-wide mechanisms for accurately
12 recording kinetic strikes, including raids, strikes,
13 and other missions, and civilian casualties resulting
14 from United States military operations.

15 (7) Standards, processes, procedures, and policy
16 for reducing the likelihood of civilian casualties from
17 United States military operations.

18 (8) The institutionalization of lessons learned
19 and best practices for reducing the likelihood of ci-
20 vilian casualties and relating to civilian casualties re-
21 sulting from United States military operations.

22 (9) Any other matters the Secretary of Defense
23 determines appropriate.

24 (c) ASSESSMENT RESULTS.—The results of the as-
25 sessment under this section shall—

1 (1) present considerations for improving stand-
2 ards, processes, procedures, policy, and organiza-
3 tional constructs relating to civilian casualties result-
4 ing from military operations;

5 (2) provide for the presentation of Department
6 of Defense views on the assessment; and

7 (3) provide for the presentation of the views of
8 non-governmental organizations on the assessment.

9 (d) REPORT TO CONGRESS.—

10 (1) IN GENERAL.—Not later than March 1,
11 2020, the Secretary of Defense shall submit to the
12 congressional defense committees a report containing
13 the results of the assessment conducted under this
14 section.

15 (2) FORM OF REPORT.—The report under para-
16 graph (1) shall be submitted in unclassified form,
17 but may contain a classified annex.

18 (3) PUBLIC AVAILABILITY.—The Secretary
19 shall make the report under paragraph (1) publicly
20 available.

1 **SEC. 1087 [Log 70216]. DISPOSAL OF IPV4 ADDRESSES.**

2 (a) DISPOSAL REQUIRED.—

3 (1) IN GENERAL.—Not later than 10 years
4 after the date of the enactment of this Act, the Sec-
5 retary of Defense shall sell all of the IPv4 addresses
6 described in subsection (b) at fair market value. The
7 net proceeds collected from a sale under this section
8 shall be deposited in the General Fund of the Treas-
9 ury.

10 (2) DEADLINES FOR CERTAIN BLOCKS.—Of the
11 IPv4 addresses described in subsection (b), the Sec-
12 retary of Defense shall sell in accordance with para-
13 graph (1)—

14 (A) one block referred to in such sub-
15 section, or an equivalent number of IPv4 ad-
16 dresses, by not later than two years after the
17 date of the enactment of this Act; and

18 (B) one additional such block, or an equiv-
19 alent number of IPv4 addresses, by not later
20 than three years after the date of the enact-
21 ment of this Act.

22 (b) IPV4 ADDRESSES.—The IPv4 addresses de-
23 scribed in this subsection are all IPv4 addresses assigned
24 to any agency or entity of the Department of Defense,
25 including all addresses contained in blocks 6.0.0.0/8,
26 7.0.0.0/8, 11.0.0.0/8, 21.0.0.0/8, 22.0.0.0/8, 26.0.0.0/8,

1 28.0.0.0/8, 29.0.0.0/8, 30.0.0.0/8, 33.0.0.0/8, 55.0.0.0/8,
2 214.0.0.0/8, and 215.0.0.0/8.

3 (c) REPORT TO CONGRESS.—

4 (1) IN GENERAL.—Not later than 180 days
5 after the date of the enactment of this Act, the Sec-
6 retary shall submit to the congressional defense com-
7 mittees a report that includes each of the following:

8 (A) A description of the measures taken by
9 the Secretary regarding the disposal of the
10 IPv4 addresses described in subsection (b).

11 (B) An accounting of the total IPv4 ad-
12 dress holdings of the Department of Defense,
13 as of the date of the submittal of the report.

14 (C) A description of any legacy systems of
15 the Department that are dependent on the IPv4
16 addresses described in subsection (b).

17 (D) The plan of the Secretary to transition
18 all Department addresses to IPv6.

19 (E) Such other information as the Sec-
20 retary determines appropriate.

21 (2) FORM OF REPORT.—The report required by
22 paragraph (1) shall be submitted in unclassified
23 form, but may contain a classified annex.

24 (d) LIMITATION ON USE OF FUNDS.—Of the funds
25 authorized to be appropriated by this Act or otherwise

1 made available for fiscal year 2020 for Operation and
2 Maintenance, Defense-wide, Office of the Secretary of De-
3 fense, for Travel of Persons (OP 32 Line 308), not more
4 than 70 percent may be obligated or expended until the
5 date on which the Secretary of Defense submits to the
6 Committees on Armed Services of the Senate and the
7 House of Representatives the report required under sub-
8 section (c).

1 **Subtitle A—Assistance and**
2 **Training**

3 **SEC. 1201. [LOG 69318] MODIFICATION OF AUTHORITY TO**
4 **BUILD CAPACITY OF FOREIGN SECURITY**
5 **FORCES.**

6 (a) **AUTHORITY.**—Subsection (a)(7) of section 333 of
7 title 10, United States Code, is amended by inserting “ex-
8 isting” before “international coalition operation”.

9 (b) **NOTICE AND WAIT ON ACTIVITIES UNDER PRO-**
10 **GRAMS.**—Subsection (e) of such section is amended by
11 adding at the end the following:

12 “(9) In the case of a program described in sub-
13 section (a)(7), each of the following:

14 “(A) A description of whether assistance
15 under the program could be provided pursuant
16 to other authorities under this title, the Foreign
17 Assistance Act of 1961, or any other train and
18 equip authorities of the Department of Defense.

19 “(B) An identification of each such author-
20 ity described in subparagraph (A).

1 **SEC. 1202. [LOG 69566] MODIFICATION AND EXTENSION OF**
2 **CROSS SERVICING AGREEMENTS FOR LOAN**
3 **OF PERSONNEL PROTECTION AND PER-**
4 **SONNEL SURVIVABILITY EQUIPMENT IN COA-**
5 **LITION OPERATIONS.**

6 Section 1207 of the Carl Levin and Howard P.
7 “Buck” McKeon National Defense Authorization Act for
8 Fiscal Year 2015 (10 U.S.C. 2342 note) is amended—

9 (1) by redesignating subsections (d) and (e) as
10 subsections (e) and (f), respectively;

11 (2) by inserting after subsection (c) the fol-
12 lowing:

13 “(d) REPORTS TO CONGRESS.—If the authority pro-
14 vided under this section is exercised during a fiscal year,
15 the Secretary of Defense shall, with the concurrence of
16 the Secretary of State, submit to the appropriate commit-
17 tees of Congress a report on the exercise of such authority
18 by not later than October 30 of the year in which such
19 fiscal year ends. Each report on the exercise of such au-
20 thority shall specify the recipient country of the equipment
21 loaned, the type of equipment loaned, and the duration
22 of the loan of such equipment.”; and

23 (3) in subsection (f), as redesignated, by strik-
24 ing “September 30, 2019” and inserting “December
25 31, 2024”.

1 **SEC. 1203. [LOG 69395] MODIFICATION OF QUARTERLY RE-**
2 **PORT ON OBLIGATION AND EXPENDITURE OF**
3 **FUNDS FOR SECURITY COOPERATION PRO-**
4 **GRAMS AND ACTIVITIES.**

5 Section 381(b) of title 10, United States Code, is
6 amended by striking “30 days” and inserting “60 days”.

1 **Subtitle B—Matters Relating to**
2 **Afghanistan and Pakistan**

3 **SEC. 1211. [LOG 69307] EXTENSION AND MODIFICATION OF**
4 **AUTHORITY FOR REIMBURSEMENT OF CER-**
5 **TAIN COALITION NATIONS FOR SUPPORT**
6 **PROVIDED TO UNITED STATES MILITARY OP-**
7 **ERATIONS.**

8 (a) EXTENSION.—Subsection (a) of section 1233 of
9 the National Defense Authorization Act for Fiscal Year
10 2008 (Public Law 110– 181; 122 Stat. 393) is amended
11 in the matter preceding paragraph (1) by striking “Octo-
12 ber 1, 2018, and ending on December 31, 2019” and in-
13 serting “October 1, 2019, and ending on December 31,
14 2020”.

15 (b) MODIFICATION TO LIMITATION.—Subsection
16 (d)(1) of such section is amended—

17 (1) by striking “October 1, 2018, and ending
18 on December 31, 2019” and inserting “October 1,
19 2019, and ending on December 31, 2020”; and

20 (2) by striking “\$350,000,000” and inserting
21 “\$450,000,000”.

1 **SEC. 1212. [LOG 69333] MODIFICATION AND EXTENSION OF**
2 **AFGHAN SPECIAL IMMIGRANT VISA PRO-**
3 **GRAM.**

4 (a) **PRINCIPAL ALIENS.**—Subclause (I) of section
5 602(b)(2)(A)(ii) of the Afghan Allies Protection Act of
6 2009 (8 U.S.C. 1101 note) is amended to read as follows:

7 “(I) by, or on behalf of, the
8 United States Government; or”.

9 (b) **EXTENSION OF AFGHAN SPECIAL IMMIGRANT**
10 **PROGRAM.**—Section 602(b)(3)(F) of the Afghan Allies
11 Protection Act of 2009 (8 U.S.C. 1101 note) is amend-
12 ed—

13 (1) in the heading, by striking “2015, 2016, AND
14 2017” and inserting “2015 THROUGH 2020”;

15 (2) in the matter preceding clause (i), by strik-
16 ing “18,500” and inserting “18,800”;

17 (3) in clause (i), by striking “December 31,
18 2020” and inserting “December 31, 2021”; and

19 (4) in clause (ii), by striking “December 31,
20 2020” and inserting “December 31, 2021”.

1 **SEC. 1213. [LOG 69308] EXTENSION OF AUTHORITY TO**
2 **TRANSFER DEFENSE ARTICLES AND PRO-**
3 **VIDE DEFENSE SERVICES TO THE MILITARY**
4 **AND SECURITY FORCES OF AFGHANISTAN.**

5 (a) **EXTENSION OF AUTHORITY.**—Subsection (h) of
6 section 1222 of the National Defense Authorization Act
7 for Fiscal Year 2013 (Public Law 112–239; 126 Stat.
8 1992) is amended by striking “December 31, 2020” and
9 inserting “December 31, 2022”.

10 (b) **EXCESS DEFENSE ARTICLES.**—Subsection (i)(2)
11 of such section is amended by striking “December 31,
12 2020” each place it appears and inserting “December 31,
13 2022”.

1 **SEC. 1214. [LOG 69335] EXTENSION AND MODIFICATION OF**
2 **AUTHORITY TO ACQUIRE PRODUCTS AND**
3 **SERVICES PRODUCED IN COUNTRIES ALONG**
4 **A MAJOR ROUTE OF SUPPLY TO AFGHANI-**
5 **STAN.**

6 (a) **TERMINATION OF AUTHORITY.**—Subsection (f) of
7 section 801 of the National Defense Authorization Act for
8 Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2399)
9 is amended by striking “December 31, 2019” and insert-
10 ing “December 31, 2021”.

11 (b) **REPORT ON AUTHORITY.**—Such section, as so
12 amended, is further amended by adding at the end the
13 following:

14 “(g) **REPORT ON AUTHORITY.**—

15 “(1) **IN GENERAL.**—Not later than March 1,
16 2020, and March 1, 2021, the Secretary of Defense
17 shall submit to the appropriate congressional com-
18 mittees a report on the use of the authority provided
19 in subsection (a). The report shall address, at a min-
20 imum, the following:

21 “(A) The number of determinations made
22 by the Secretary pursuant to subsection (b).

23 “(B) A description of the products and
24 services acquired using the authority.

1 “(C) The extent to which the use of the
2 authority has met the objectives of subpara-
3 graph (A), (B), or (C) of subsection (b)(2).

4 “(D) A list of the countries providing prod-
5 ucts or services as a result of a determination
6 made pursuant to subsection (b).

7 “(2) APPROPRIATE CONGRESSIONAL COMMIT-
8 TEES DEFINED.—For purposes of this subsection,
9 the term ‘appropriate congressional committees’
10 means—

11 “(A) the congressional defense committees;
12 and

13 “(B) the Committee on Foreign Affairs of
14 the House of Representatives and the Com-
15 mittee on Foreign Relations of the Senate.”.

1 **SEC. 1215. [LOG 70044] AUTHORITY FOR CERTAIN PAY-**
2 **MENTS TO REDRESS INJURY AND LOSS IN AF-**
3 **GHANISTAN, IRAQ, SYRIA, SOMALIA, LIBYA,**
4 **AND YEMEN.**

5 (a) **AUTHORITY.**—During the period beginning on the
6 date of the enactment of this Act and ending on December
7 31, 2020, not more than \$5,000,000, to be derived from
8 funds authorized to be appropriated to the Office of the
9 Secretary of Defense under the Operation and Mainte-
10 nance, Defense-wide account, may be made available for
11 ex gratia payments for damage, personal injury, or death
12 that is incident to combat operations of the United States
13 Armed Forces in Afghanistan, Iraq, Syria, Somalia,
14 Libya, and Yemen.

15 (b) **NOTICE.**—The Secretary of Defense shall, upon
16 each exercise of the authority in this subsection, submit
17 to the congressional defense committees a report setting
18 forth the following:

19 (1) The amount that will be used for payments
20 pursuant to this subsection.

21 (2) The manner in which claims for payments
22 shall be verified.

23 (3) The officers or officials who shall be author-
24 ized to approve claims for payments.

25 (4) The manner in which payments shall be
26 made.

1 (c) AUTHORITIES APPLICABLE TO PAYMENT.—Any
2 payment made pursuant to this subsection shall be made
3 in accordance with the authorities and limitations in sec-
4 tion 8121 of the Department of Defense Appropriations
5 Act, 2015 (division C of Public Law 113–235), other than
6 subsection (h) of such section.

1 **SEC. 1216. [LOG 69535] EXTENSION OF SEMIANNUAL RE-**
2 **PORT ON ENHANCING SECURITY AND STA-**
3 **BILITY IN AFGHANISTAN.**

4 Section 1225 of the Carl Levin and Howard P.
5 “Buck” McKeon National Defense Authorization Act for
6 Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3558)
7 is amended—

8 (1) in subsection (a)—

9 (A) in paragraph (2), by striking “Decem-
10 ber 15, 2020” and inserting “December 15,
11 2022”; and

12 (B) by amending paragraph (3) to read as
13 follows:

14 “(3) FORM.—Each report required under para-
15 graph (1) shall be submitted in unclassified form
16 without any designation relating to dissemination
17 control, but may include a classified annex.”; and

18 (2) in subsection (b)—

19 (A) by inserting “, to include the progress
20 of the Government of Afghanistan on securing
21 Afghan territory and population,” after “the
22 current security conditions in Afghanistan”;
23 and

24 (B) by striking “and the Haqqani Net-
25 work” and inserting “the Haqqani Network,

1 and the Islamic State of Iraq and Syria
2 Khorasan”.

1 **Subtitle C—Matters Relating to**
2 **Syria, Iraq, and Iran**

3 **SEC. 1221. [LOG 69310] MODIFICATION OF AUTHORITY TO**
4 **PROVIDE ASSISTANCE TO COUNTER THE IS-**
5 **LAMIC STATE OF IRAQ AND SYRIA.**

6 (a) LIMITATION ON AVAILABILITY OF AUTHORITY.—
7 Of the amounts made available for fiscal year 2020 pursu-
8 ant to the authorization in section 1236 of the Carl Levin
9 and Howard P. “Buck” McKeon National Defense Au-
10 thorization Act for Fiscal Year 2015 (Public Law 113–
11 291; 128 Stat. 3558), as amended by this section, not
12 more than 70 percent may be obligated or expended until
13 the date on which the Secretary of Defense submits to
14 the congressional defense committees, the Committee on
15 Foreign Affairs of the House of Representatives, and the
16 Committee on Foreign Relations of the Senate a report
17 in unclassified form, that may include a classified annex,
18 that includes each of the following:

19 (1) Any updates to or changes in the plan,
20 strategy, process, vetting requirements and process
21 as described in subsection (e) of such section 1236,
22 and end-use monitoring mechanisms and procedures.

23 (2) A description of how attacks against United
24 States or coalition personnel are being mitigated,

1 statistics on any such attacks, including “green-on-
2 blue” attacks.

3 (3) A description of the forces receiving assist-
4 ance authorized under subsection (a) of such section
5 1236.

6 (4) A description of the recruitment, through-
7 put, and retention rates of recipients and equipment.

8 (5) A description of any misuse or loss of pro-
9 vided equipment and how such misuse or loss is
10 being mitigated.

11 (6) An assessment of the operational effective-
12 ness of the forces receiving assistance authorized
13 under subsection (a) of such section 1236.

14 (7) A description of sustainment support pro-
15 vided to the forces authorized under subsection (a)
16 of such section 1236.

17 (8) A list of new projects for construction, re-
18 pair, or renovation commenced during the period
19 covered by such progress report, and a list of
20 projects for construction, repair, or renovation con-
21 tinuing from the period covered by the preceding
22 progress report.

23 (9) A statement of the amount of funds ex-
24 pended during the period for which the report is
25 submitted.

1 (10) An assessment of the effectiveness of the
2 assistance authorized under subsection (a) of such
3 section 1236.

4 (11) A list of the forces or elements of forces
5 that are restricted from receiving assistance under
6 subsection (a) of such section 1236, other than the
7 forces or elements of forces with respect to which
8 the Secretary of Defense has exercised the waiver
9 authority under subsection (j) of such section 1236,
10 as a result of vetting required by subsection (e) of
11 such section 1236 or by section 2249e of title 10,
12 United States Code, and a detailed description of
13 the reasons for such restriction, including for each
14 force or element, as applicable, the following:

15 (A) Information relating to gross violation
16 of human rights committed by such force or ele-
17 ment, including the time-frame of the alleged
18 violation.

19 (B) The source of the information de-
20 scribed in subparagraph (A) and an assessment
21 of the veracity of the information.

22 (C) The association of such force or ele-
23 ment with terrorist groups or groups associated
24 with the Government of Iran.

1 (D) The amount and type of any assist-
2 ance provided to such force or element by the
3 Government of Iran.

4 (12) An assessment of—

5 (A) security in liberated areas in Iraq;

6 (B) the extent to which security forces
7 trained and equipped, directly or indirectly, by
8 the United States are prepared to provide post-
9 conflict stabilization and security in such liber-
10 ated areas; and

11 (C) the effectiveness of security forces in
12 the post-conflict environment and an identifica-
13 tion of which such forces will provide post-con-
14 flict stabilization and security in such liberated
15 areas.

16 (13) A summary of available information relat-
17 ing to the disposition of militia groups throughout
18 Iraq, with particular focus on groups in areas liber-
19 ated from ISIS or in sensitive areas with historically
20 mixed ethnic or minority communities.

21 (b) FUNDING.—Subsection (g) of section 1236 of the
22 Carl Levin and Howard P. “Buck” McKeon National De-
23 fense Authorization Act for Fiscal Year 2015 (Public Law
24 113–291; 128 Stat. 3558) is amended—

1 (1) by striking “fiscal year 2019” and inserting
2 “fiscal year 2020”; and

3 (2) by striking “\$850,000,000” and inserting
4 “\$663,000,000”.

5 (c) MODIFICATION OF ELEMENTS IN QUARTERLY
6 PROGRESS REPORTS.—Subsection (d) of such section
7 1236 is amended—

8 (1) in paragraph (11), by striking “section
9 2249e of title 10, United States Code” and inserting
10 “section 362 of title 10, United States Code”; and

11 (2) by adding at the end the following new
12 paragraph:

13 “(13) A summary of available information re-
14 lating to the disposition of militia groups throughout
15 Iraq, with particular focus on groups in areas liber-
16 ated from ISIS or in sensitive areas with historically
17 mixed ethnic or minority communities.”.

18 (d) CLARIFICATION WITH RESPECT TO SCOPE OF
19 AUTHORITY.—

20 (1) IN GENERAL.—Subsection (j)(2) of such
21 section 1236 is amended to read as follows:

22 “(2) SCOPE OF ASSISTANCE AUTHORITY.—Not-
23 withstanding paragraph (1), the authority granted
24 by subsection (a) may only be exercised in consulta-
25 tion with the Government of Iraq.”.

1 (2) TECHNICAL CORRECTION.—The heading of
2 subsection (j) of such section 1236 is amended by
3 inserting “; SCOPE” after “AUTHORITY”.

4 (e) TECHNICAL CORRECTION.—Subsection (c) of
5 such section 1236 is amended in the matter preceding
6 paragraph (1) by striking “subsection (a)(1)” and insert-
7 ing “subsection (b)(1)(A)”.

1 **SEC. 1222. [LOG 69312] EXTENSION AND MODIFICATION OF**
2 **AUTHORITY TO PROVIDE ASSISTANCE TO**
3 **THE VETTED SYRIAN OPPOSITION.**

4 (a) IN GENERAL.—Section 1209 of the Carl Levin
5 and Howard P. “Buck” McKeon National Defense Au-
6 thorization Act for Fiscal Year 2015 (Public Law 113–
7 291; 128 Stat. 3559) is amended as follows:

8 (1) In subsection (a)—

9 (A) in the matter preceding paragraph

10 (1)—

11 (i) by inserting “, appropriately vetted
12 local security forces in northeast Syria, in-
13 cluding units of the Syrian Democratic
14 Forces and their associated counter-ter-
15 rorism units,” after “elements of the Syr-
16 ian opposition”; and

17 (ii) by striking “December 31, 2019”
18 and inserting “December 31, 2020”.

19 (B) in paragraph (1), by inserting “or pre-
20 viously controlled by ISIL” after “Syrian oppo-
21 sition”.

22 (2) By amending subsection (b) to read as fol-
23 lows:

24 “(b) NOTICE BEFORE PROVISION OF ASSISTANCE.—
25 Not later than 15 days prior to each instance of the provi-
26 sion of assistance under subsection (a), the Secretary of

1 Defense, in coordination with the Secretary of State, shall
2 submit to the appropriate congressional committees and
3 leadership of the House of Representatives and Senate a
4 notification that includes the following:

5 “(1) The plan for providing the assistance.

6 “(2) The requirements and process used to de-
7 termine appropriately vetted recipients with respect
8 to the assistance.

9 “(3) The mechanisms and procedures that will
10 be used to monitor and report to the appropriate
11 congressional committees and leadership of the
12 House of Representatives and Senate on unauthor-
13 ized end-use of provided training and equipment or
14 other violations of relevant law by appropriately vet-
15 ted recipients.

16 “(4) The amount, type, and purpose of assist-
17 ance to be funded and the recipient of the assist-
18 ance.

19 “(5) The budget and implementation timeline,
20 with milestones and anticipated delivery schedule for
21 the assistance.

22 “(6) A description of any material use of assist-
23 ance previously provided under subsection (a) to any
24 appropriately vetted recipient of such assistance for
25 a purpose other than the purposes specified in sub-

1 section (a) that occurred since the most recent noti-
2 fication submitted by the Secretary pursuant to this
3 subsection, with a specific description of the fol-
4 lowing:

5 “(A) The details of such material misuse.

6 “(B) The recipient or recipients respon-
7 sible for such material misuse.

8 “(C) The consequences of such material
9 misuse.

10 “(D) The actions taken by the Secretary to
11 remedy the causes and effects of such material
12 misuse.

13 “(7) The goals and objectives of the assistance.

14 “(8) The concept of operations, timelines, and
15 types of training, equipment, stipends, sustainment,
16 construction, and supplies to be provided.

17 “(9) The roles and contributions of partner na-
18 tions.

19 “(10) The number and role of United States
20 Armed Forces personnel involved.

21 “(11) Any additional military support and
22 sustainment activities.

23 “(12) Any other relevant details.”.

24 (3) By amending subsection (c) to read as fol-
25 lows:

1 “(c) FORM.—The notifications required by subsection
2 (b) shall be submitted in unclassified form but may in-
3 clude a classified annex.”.

4 (4) By striking subsection (f) and inserting the
5 following:

6 “(f) RESTRICTION ON SCOPE OF ASSISTANCE IN THE
7 FORM OF WEAPONS.—

8 “(1) IN GENERAL.—The Secretary may only
9 provide assistance in the form of weapons pursuant
10 to the authority under subsection (a) if such weap-
11 ons are small arms, including handguns, rifles and
12 carbines, sub-machine guns, or light machine guns.

13 “(2) WAIVER.—The Secretary may waive the
14 restriction under paragraph (1) if the Secretary cer-
15 tifies to the appropriate congressional committees
16 that such provision of law would (but for the waiver)
17 impede national security objectives of the United
18 States by prohibiting, restricting, delaying, or other-
19 wise limiting the provision of assistance. Such waiver
20 shall not take effect until 15 days after the date on
21 which such certification is submitted to the appro-
22 priate congressional committees.”.

23 (5) In subsection (g)—

24 (A) by inserting “, at the end of the 15-
25 day period beginning on the date the Secretary

1 notifies the congressional defense committees of
2 the amount, source, and intended purpose of
3 such contributions” after “as authorized by this
4 section”; and

5 (B) by striking “operation and mainte-
6 nance accounts” and all that follows through
7 the end of the subsection and inserting “ac-
8 counts.”.

9 (6) In subsection (k), by inserting “, at the end
10 of the 15-day period beginning on the date the Sec-
11 retary notifies the congressional defense committees
12 of the amount, recipient, and intended purpose of
13 such assistance” after “authorized under this sec-
14 tion”.

15 (7) In subsection (l)—

16 (A) by striking “\$10,000,000” and insert-
17 ing “\$20,000,000”;

18 (B) by adding at the end the following new
19 sentence: “Amounts accepted as contributions
20 pursuant to the authority in subsection (g) for
21 construction and repair projects may be ex-
22 pended without regard to the limitation under
23 this subsection.”;

1 (C) by striking “REPAIR PROJECTS.—The
2 aggregate” and inserting . “REPAIR
3 PROJECTS.—

4 “(1) IN GENERAL.—The aggregate”; and

5 (D) by adding at the end the following:

6 “(2) WAIVER.—The Secretary may waive the
7 limitation under paragraph (1) if the Secretary cer-
8 tifies to the appropriate congressional committees
9 that such provision of law would (but for the waiver)
10 impede national security objectives of the United
11 States by prohibiting, restricting, delaying, or other-
12 wise limiting the provision of assistance. Such waiver
13 shall not take effect until 15 days after the date on
14 which such certification is submitted to the appro-
15 priate congressional committees.”.

16 (8) By striking subsection (j).

17 (9) By redesignating subsections (k) through
18 (m) (as amended by this subsection) as subsections
19 (j) through (l), respectively.

20 (b) EFFECTIVE DATE AND AVAILABILITY OF AU-
21 THORITY.—

22 (1) IN GENERAL.—The amendments made by
23 subsection (a) shall take effect on the date of the en-
24 actment of this section.

1 (2) AVAILABILITY OF AUTHORITY.—Notwith-
2 standing paragraph (1), the Secretary may not pro-
3 vide assistance pursuant to the authority provided
4 by section 1209 of the Carl Levin and Howard P.
5 “Buck” McKeon National Defense Authorization
6 Act for Fiscal Year 2015 (Public Law 113–291; 128
7 Stat. 3559), as amended by subsection (a) of this
8 section, during the period beginning on January 1,
9 2020, and ending on the date on which each quar-
10 terly report required to be submitted pursuant to
11 subsection (d) of such section 1209, as of the date
12 of the enactment of this section, has been submitted.

1 **SEC. 1223. [LOG 69317] EXTENSION AND MODIFICATION OF**
2 **AUTHORITY TO SUPPORT OPERATIONS AND**
3 **ACTIVITIES OF THE OFFICE OF SECURITY CO-**
4 **OPERATION IN IRAQ.**

5 (a) **EXTENSION OF AUTHORITY.**—Subsection (f)(1)
6 of section 1215 of the National Defense Authorization Act
7 for Fiscal Year 2012 (10 U.S.C. 113 note) is amended
8 by striking “fiscal year 2019” and inserting “fiscal year
9 2020”.

10 (b) **AMOUNT AVAILABLE.**—Such section is further
11 amended—

12 (1) in subsection (c), by striking “fiscal year
13 2019” and inserting “fiscal year 2020”; and

14 (2) in subsection (d), by striking “fiscal year
15 2019” and inserting “fiscal year 2020”.

16 (c) **LIMITATION ON AVAILABILITY OF FUNDS.**—Of
17 the amount available for fiscal year 2020 for section 1215
18 of the National Defense Authorization Act for Fiscal Year
19 2012, as amended by this section, not more than an
20 amount equal to 50 percent may be obligated or expended
21 for the Office of Security Cooperation in Iraq until the
22 date on which the Secretary of Defense certifies to the
23 congressional defense committees, the Committee on For-
24 eign Affairs of the House of Representatives, and the
25 Committee on Foreign Relations of the Senate, that each

1 of the following reforms relating to that Office has been
2 completed:

3 (1) The appointment of a Senior Defense Offi-
4 cial/Defense Attache to oversee the Office.

5 (2) The development of a Joint Service staffing
6 plan to reorganize the Office similar to that of other
7 security cooperation offices in the region, that places
8 foreign area officers in key leadership positions and
9 closes duplicative or extraneous sections.

10 (3) The planning and initiation of bilateral en-
11 gagement with the Government of Iraq for the pur-
12 pose of establishing a Joint Military Commission
13 and the initiation and drafting of a five-year security
14 assistance roadmap for developing strategic and sus-
15 tainable military capacity and capabilities for Iraq
16 that includes a plan to reform Iraq's defense indus-
17 trial base and security sector by reducing corruption
18 and optimizing procurement.

1 **SEC. 1224. [LOG 69914] PROHIBITION ON PROVISION OF**
2 **WEAPONS AND OTHER FORMS OF SUPPORT**
3 **TO CERTAIN ORGANIZATIONS.**

4 None of the funds authorized to be appropriated by
5 this Act or otherwise made available to the Department
6 of Defense for fiscal year 2020 may be used to knowingly
7 provide weapons or any other form of support to Al Qaeda,
8 the Islamic State of Iraq and Syria (ISIS), Jabhat Fateh
9 al Sham, or any individual or group affiliated with any
10 such organization.

1 **SEC. 1232. [LOG 69276] EXTENSION OF LIMITATION ON**
2 **MILITARY COOPERATION BETWEEN THE**
3 **UNITED STATES AND RUSSIA.**

4 Section 1232(a) of the National Defense Authoriza-
5 tion Act for Fiscal Year 2017 (Public Law 114–328; 130
6 Stat. 2488), is amended by striking “or 2019” and insert-
7 ing “, 2019, or 2020”.

1 **SEC. 1233. [LOG 69277] PROHIBITION ON AVAILABILITY OF**
2 **FUNDS RELATING TO SOVEREIGNTY OF RUS-**
3 **SIA OVER CRIMEA.**

4 (a) PROHIBITION.—None of the funds authorized to
5 be appropriated by this Act or otherwise made available
6 for fiscal year 2020 for the Department of Defense may
7 be obligated or expended to implement any activity that
8 recognizes the sovereignty of Russia over Crimea.

9 (b) WAIVER.—The Secretary of Defense, with the
10 concurrence of the Secretary of State, may waive the re-
11 striction on the obligation or expenditure of funds required
12 by subsection (a) if the Secretary—

13 (1) determines that to do so is in the national
14 security interest of the United States; and

15 (2) submits a notification of the waiver, at the
16 time the waiver is invoked, to the Committee on
17 Armed Services and the Committee on Foreign Af-
18 fairs of the House of Representatives and the Com-
19 mittee on Armed Services and the Committee on
20 Foreign Relations of the Senate.

1 **SEC. 1234. [LOG 69278] MODIFICATION AND EXTENSION OF**
2 **UKRAINE SECURITY ASSISTANCE INITIATIVE.**

3 Section 1250 of the National Defense Authorization
4 Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.
5 1068) is amended—

6 (1) in subsection (a), by striking “in coordina-
7 tion with the Secretary of State” and inserting
8 “with the concurrence of the Secretary of State”;

9 (2) in subsection (c)—

10 (A) in paragraph (1), by striking “50 per-
11 cent of the funds available for fiscal year 2019
12 pursuant to subsection (f)(4)” and inserting
13 “50 percent of the funds available for fiscal
14 year 2020 pursuant to subsection (f)(5)”; and

15 (B) in paragraph (3), by striking “fiscal
16 year 2019” and inserting “fiscal year 2020”;
17 and

18 (C) in paragraph (5), by striking “Of the
19 funds available for fiscal year 2019 pursuant to
20 subsection (f)(4)” and inserting “Of the funds
21 available for fiscal year 2020 pursuant to sub-
22 section (f)(5)”; and

23 (3) in subsection (f), by adding at the end the
24 following:

25 “(5) For fiscal year 2020, \$250,000,000.”.

1 **SEC. 1235. [LOG 70189] REPORT ON TREATIES RELATING TO**
2 **NUCLEAR ARMS CONTROL.**

3 (a) FINDINGS.—Congress finds the following:

4 (1) On October 24, 2018, the House Committee
5 on Armed Services and House Committee on For-
6 eign Affairs wrote to the Secretary of Defense re-
7 questing information regarding the Administration’s
8 policies and strategies related to nuclear arms con-
9 trol.

10 (2) The Committees did not receive the re-
11 quested information from the Secretary of Defense.

12 (b) ASSESSMENT REQUIRED.—Not later than 120
13 after the date of the enactment of this Act, the Secretary
14 of Defense, in consultation with the Secretary of State and
15 the Director of National Intelligence, shall submit to the
16 Committee on Armed Services, the Permanent Select
17 Committee on Intelligence, and the Committee on Foreign
18 Affairs of the House of Representatives and the Com-
19 mittee on Armed Services, the Select Committee on Intel-
20 ligence, and the Committee on Foreign Relations of the
21 Senate an assessment that includes each of the following:

22 (1) The implications, in terms of military threat
23 to the United States or its allies in Europe, of Rus-
24 sian deployment of intermediate-range cruise and
25 ballistic missiles without restriction.

1 (2) What new capabilities the United States
2 might need in order to pursue additional tech-
3 nologies or programs to offset such Russian capabili-
4 ties, and the costs associated with such capabilities,
5 technologies, and programs.

6 (3) An assessment of the threat to the United
7 States of Russia's strategic nuclear force in the
8 event the New START Treaty lapses.

9 (4) What measures could have been taken short
10 of withdrawal, including economic, military, and dip-
11 lomatic options, to increase pressure on Russia for
12 violating the INF Treaty.

13 (5) The status of all consultations with allies
14 pertaining to the INF Treaty and the threat posed
15 by Russian forces that are noncompliant with the
16 obligations of such treaty.

17 (6) The impact that Russian withdrawal from
18 the INF Treaty and the expiration of the New
19 START Treaty could have on long-term United
20 States-Russia strategic stability.

21 (c) WITHHOLDING OF FUNDS.—Until the date of the
22 submission of the assessment required by subsection (b),
23 an amount that is equal to 20 percent of the total amount
24 authorized to be appropriated to the Office of the Sec-
25 retary of Defense under the Operations and Maintenance,

1 Defense-Wide account for the travel of persons shall be
2 withheld from obligation or expenditure.

3 (d) DEFINITIONS.—In this section:

4 (1) NEW START TREATY.—The term “New
5 START Treaty” means the Treaty between the
6 United States of America and the Russian Federa-
7 tion on Measures for the Further Reduction and
8 Limitation of Strategic Offensive Arms, signed at
9 Prague April 8, 2010, and entered into force Feb-
10 ruary 5, 2011.

11 (2) INF TREATY.—The term “INF Treaty”
12 means the Treaty between the United States of
13 America and the Union of Soviet Socialist Republics
14 on the Elimination of Their Intermediate-Range and
15 Shorter-Range Missiles, signed at Washington De-
16 cember 8, 1987, and entered into force June 1,
17 1988.

1 **Subtitle E—Matters Relating to the**
2 **Indo-Pacific Region**

3 **SEC. 1241. [LOG 69314] MODIFICATION OF INDO-PACIFIC**
4 **MARITIME SECURITY INITIATIVE.**

5 (a) TYPES OF ASSISTANCE AND TRAINING.—Sub-
6 section (c)(2)(A) of section 1263 of the National Defense
7 Authorization Act for Fiscal Year 2016 (10 U.S.C. 2282
8 note) is amended by inserting “the law of armed conflict,
9 the rule of law, and” after “respect for”.

10 (b) NOTICE TO CONGRESS ON ASSISTANCE AND
11 TRAINING.—Subsection (g)(1) of such section is amend-
12 ed—

13 (1) in subparagraph (A), by inserting at the
14 end before the period the following: “, the specific
15 unit or units whose capacity to engage in activities
16 under a program of assistance or training to be pro-
17 vided under subsection (a) will be built under the
18 program, and the amount, type, and purpose of the
19 support to be provided”;

20 (2) by redesignating subparagraph (F) as sub-
21 paragraph (J); and

22 (3) by inserting after subparagraph (E) the fol-
23 lowing new subparagraphs:

24 “(F) Information, including the amount,
25 type, and purpose, on assistance and training

1 provided under subsection (a) during the three
2 preceding fiscal years, if applicable.

3 “(G) A description of the elements of the
4 theater campaign plan of the geographic com-
5 batant command concerned and the interagency
6 integrated country strategy that will be ad-
7 vanced by the assistance and training provided
8 under subsection (a).

9 “(H) A description of whether assistance
10 and training provided under subsection (a)
11 could be provided pursuant to—

12 “(i) section 333 of title 10, United
13 States Code, or other security cooperation
14 authorities of the Department of Defense;
15 or

16 “(ii) security cooperation authorities
17 of the Department of State.

18 “(I) An identification of each such author-
19 ity described in subparagraph (H).”.

20 (c) ANNUAL MONITORING REPORTS.—Such section
21 is amended—

22 (1) by redesignating subsection (h) as sub-
23 section (j); and

24 (2) by inserting after subsection (g) the fol-
25 lowing new subsection:

1 “(h) ANNUAL MONITORING REPORTS.—

2 “(1) IN GENERAL.—Not later than December
3 31, 2019, and annually thereafter, the Secretary of
4 Defense shall submit to the appropriate committees
5 of Congress a report setting forth, for the preceding
6 calendar year, the following:

7 “(A) Information, by recipient foreign
8 country, on the status of funds allocated for as-
9 sistance and training provided under subsection
10 (a), including funds allocated but not yet obli-
11 gated or expended.

12 “(B) Information, by recipient foreign
13 country, on the delivery and use of assistance
14 and training provided under subsection (a).

15 “(C) Information, by recipient foreign
16 country, on the timeliness of delivery of assist-
17 ance and training provided under subsection (a)
18 as compared to the timeliness of delivery of as-
19 sistance and training previously provided to the
20 foreign country under subsection (a).

21 “(2) APPROPRIATE COMMITTEES OF CONGRESS
22 DEFINED.—In this subsection, the term ‘appropriate
23 committees of Congress’ has the meaning given the
24 term in subsection (g)(2).”.

1 (d) LIMITATIONS.—Such section, as so amended, is
2 further amended by inserting after subsection (h), as
3 added by subsection (c)(2), the following:

4 “(i) LIMITATIONS.—

5 “(1) ASSISTANCE OTHERWISE PROHIBITED BY
6 LAW.—The Secretary of Defense may not use the
7 authority in subsection (a) to provide any type of as-
8 sistance or training that is otherwise prohibited by
9 any provision of law.

10 “(2) PROHIBITION ON ASSISTANCE TO UNITS
11 THAT HAVE COMMITTED GROSS VIOLATIONS OF
12 HUMAN RIGHTS.—The provision of assistance and
13 training pursuant to a program under subsection (a)
14 shall be subject to the provisions of section 362 of
15 title 10, United States Code.

16 “(3) ASSESSMENT, MONITORING, AND EVALUA-
17 TION OF PROGRAMS AND ACTIVITIES.—The provision
18 of assistance and training pursuant to a program
19 under subsection (a) shall be subject to the provi-
20 sions of section 383 of title 10, United States
21 Code.”.

22 (e) REPORT.—

23 (1) IN GENERAL.—Not later than January 31,
24 2020, the Secretary of Defense, with the concur-
25 rence of the Secretary of State, shall submit to the

1 appropriate congressional committees a report on
2 the implementation of the Indo-Pacific Maritime Se-
3 curity Initiative under section 1263 of the National
4 Defense Authorization Act for Fiscal Year 2016, as
5 amended by this section.

6 (2) MATTERS TO BE INCLUDED.—The report
7 required by paragraph (1) shall include the fol-
8 lowing:

9 (A) Objectives of the Initiative, including—

10 (i) a discussion of United States secu-
11 rity requirements that are satisfied or en-
12 hanced under the Initiative; and

13 (ii) an assessment of progress toward
14 each such objective and the metrics used to
15 assess such progress.

16 (B) A discussion of how the Initiative re-
17 lates to, complements, or overlaps with other
18 United States security cooperation and security
19 assistance authorities.

20 (C) A description of the process and cri-
21 teria by which the utilization of each such au-
22 thority or authorities described in subparagraph
23 (B) is determined.

24 (D) An assessment, by recipient foreign
25 country, of—

1 (i) the country's capabilities relating
2 to maritime security and maritime domain
3 awareness;

4 (ii) the country's capability enhance-
5 ment priorities, including how such prior-
6 ities relate to the theater campaign strat-
7 egy, country plan, and theater campaign
8 plan relating to maritime security and
9 maritime domain awareness;

10 (E) A discussion, by recipient foreign
11 country, of—

12 (i) priority capabilities that the De-
13 partment of Defense plans to enhance
14 under the Initiative and priority capabili-
15 ties the Department plans to enhance
16 under separate United States security co-
17 operation and security assistance authori-
18 ties; and

19 (ii) the anticipated timeline for assist-
20 ance and training for each such capability.

21 (F) Information, by recipient foreign coun-
22 try, on the delivery and use of assistance and
23 training provided under the Initiative.

24 (G) Any other matters the Secretary of
25 Defense determines should be included.

1 (3) FORM.—The report required by paragraph
2 (1) shall be submitted in unclassified form without
3 any designation relating to dissemination control,
4 but may include a classified annex.

5 (4) DEFINITION.—In this section, the term
6 “appropriate congressional committees” means—

7 (A) the congressional defense committees;
8 and

9 (B) the Committee on Foreign Relations of
10 the Senate and the Committee on Foreign Af-
11 fairs of the House of Representatives.

1 **SEC. 1242. [LOG 69481] EXTENSION AND MODIFICATION OF**
2 **REPORT ON MILITARY AND SECURITY DEVEL-**
3 **OPMENTS INVOLVING NORTH KOREA.**

4 (a) EXTENSION.—Subsection (a) of section 1236 of
5 the National Defense Authorization Act for Fiscal Year
6 2012 (Public Law 112–81; 125 Stat. 1641) is amended—

7 (1) by striking “and November 1, 2017” and
8 inserting “November 1, 2017, April 1, 2020, and
9 April 1, 2021”; and

10 (2) by inserting “(without any designation re-
11 lating to dissemination control)” after “unclassi-
12 fied”.

13 (b) ADDITIONAL MATTERS TO BE INCLUDED.—Sub-
14 section (b) of such section is amended—

15 (1) by redesignating paragraph (8) as para-
16 graph (9); and

17 (2) by inserting after paragraph (7) the fol-
18 lowing new paragraph:

19 “(8) Developments in North Korea’s nuclear
20 program, including the size and state of North Ko-
21 rea’s stockpile of nuclear weapons, its nuclear strat-
22 egy and associated doctrines, its civil and military
23 production capacities, and projections of its future
24 arsenals.”.

1 **SEC. 1243. [LOG 69590] LIMITATION ON USE OF FUNDS TO**
2 **REDUCE THE TOTAL NUMBER OF MEMBERS**
3 **OF THE ARMED FORCES SERVING ON ACTIVE**
4 **DUTY WHO ARE DEPLOYED TO SOUTH**
5 **KOREA.**

6 None of the funds authorized to be appropriated by
7 this Act may be used to reduce the total number of mem-
8 bers of the Armed Forces serving on active duty who are
9 deployed to South Korea below 28,500 unless the Sec-
10 retary of Defense first certifies to the congressional de-
11 fense committees the following:

12 (1) Such a reduction is in the national security
13 interest of the United States and will not signifi-
14 cantly undermine the security of United States allies
15 in the region.

16 (2) The Secretary has appropriately consulted
17 with allies of the United States, including South
18 Korea and Japan, regarding such a reduction.

1 **SEC. 1244. [LOG 69487] REPORT ON DIRECT, INDIRECT, AND**
2 **BURDEN-SHARING CONTRIBUTIONS OF**
3 **JAPAN AND SOUTH KOREA.**

4 (a) IN GENERAL.—Not later than March 1, 2020,
5 and March 1, 2021, the Secretary of Defense shall submit
6 to the appropriate congressional committees a report on
7 the direct, indirect, and burden-sharing contributions of
8 Japan and South Korea to support overseas military in-
9 stallations of the United States and United States Armed
10 Forces deployed to or permanently stationed in Japan and
11 South Korea, respectively.

12 (b) ELEMENTS.—The report required by subsection
13 (a) shall include the following:

14 (1) The benefits to United States national secu-
15 rity and regional security derived from the forward
16 presence of United States Armed Forces in the
17 Indo-Pacific region, including Japan and South
18 Korea.

19 (2) For calendar year 2016 and each subse-
20 quent calendar year, a description of the one-time
21 and recurring costs associated with the presence of
22 United States Armed Forces in Japan and South
23 Korea, including—

24 (A) costs to relocate the Armed Forces
25 within Japan and South Korea and to realign

1 the Armed Forces from Japan and South
2 Korea;

3 (B) military personnel costs;

4 (C) operation and maintenance costs; and

5 (D) military construction costs.

6 (3) A description of direct, indirect, and bur-
7 den-sharing contributions of Japan and South
8 Korea, including—

9 (A) contributions for labor costs associated
10 with the presence of United States Armed
11 Forces;

12 (B) contributions to military construction
13 projects of the Department of Defense, includ-
14 ing planning, design, environmental reviews,
15 construction, construction management costs,
16 rents on privately-owned land, facilities, labor,
17 utilities, and vicinity improvements;

18 (C) contributions such as loan guarantees
19 on public-private venture housing and payment-
20 in-kind for facilities returned to Japan and
21 South Korea;

22 (D) contributions accepted for labor, logis-
23 tics, utilities, facilities, and any other purpose;
24 and

1 (E) other contributions as determined ap-
2 propriate by the Secretary.

3 (4) The methodology and accounting procedures
4 used to measure and track direct, indirect, and bur-
5 den-sharing contributions made by Japan and South
6 Korea.

7 (c) DESCRIPTION OF CONTRIBUTIONS IN UNITED
8 STATES DOLLARS.—The report required by subsection (a)
9 shall describe the direct, indirect, and burden-sharing con-
10 tributions of Japan and South Korea in United States dol-
11 lars and shall specify the exchange rates used to determine
12 the United States dollar value of such contributions.

13 (d) FORM.—The report required by subsection (a)
14 shall be submitted in unclassified form without any des-
15 ignation relating to dissemination control, but may contain
16 a classified annex.

17 (e) APPROPRIATE CONGRESSIONAL COMMITTEES DE-
18 FINED.—In this section, the term “appropriate congres-
19 sional committees” means—

- 20 (1) the congressional defense committees; and
21 (2) the Committee on Foreign Relations of the
22 Senate and the Committee on Foreign Affairs of the
23 House of Representatives.

1 **SEC. 1245. [LOG 69315] REPORT ON STRATEGY ON THE**
2 **PHILIPPINES.**

3 (a) STRATEGY REQUIRED.—Not later than 120 days
4 after the date of the enactment of this Act, the Secretary
5 of Defense, in consultation with the Secretary of State,
6 shall submit to the appropriate congressional committees
7 a report describing the Department of Defense’s objectives
8 and strategy for achieving such objectives with the Phil-
9 ippines.

10 (b) ELEMENTS OF STRATEGY.—The strategy re-
11 quired by subsection (b) shall include the following:

12 (1) A description of the national security inter-
13 ests and objectives of the United States furthered by
14 the Mutual Defense Treaty between the Republic of
15 the Philippines and the United States of America.

16 (2) A description of the regional security envi-
17 ronment, including an assessment of threats to
18 United States national security interests and the
19 role of the Department of Defense in addressing
20 such threats, including—

21 (A) a description of security challenges
22 detrimental to regional peace and global sta-
23 bility;

24 (B) a description of violent extremist orga-
25 nizations present in the Philippines and the pri-

1 mary objectives of each such organization, in-
2 cluding—

3 (i) an assessment of the size and ca-
4 pability of each such organization;

5 (ii) an assessment of the transnational
6 threat posed by each such organization;

7 (iii) an assessment of recent trends in
8 the capability and influence of each such
9 organization; and

10 (iv) a description of the metrics used
11 to assess the capability and influence of
12 each such organization.

13 (3) A description of Department of Defense ob-
14 jectives with respect to the Philippines and the
15 benchmarks for assessing progress towards such ob-
16 jectives.

17 (4) An identification of all current and planned
18 Department of Defense resources, programs, and ac-
19 tivities to support the strategy, including a review of
20 the necessity of an ongoing named operation and the
21 criteria used to determine such necessity.

22 (5) An identification of all current and planned
23 Department of Defense security cooperation and
24 other support or assistance programs or activities in
25 the Philippines, including—

1 (A) a description of the purpose, objec-
2 tives, and type of training, equipment, or assist-
3 ance provided under each such program or ac-
4 tivity;

5 (B) an identification of the lead agency re-
6 sponsible for each such program or activity;

7 (C) an identification of the authority or
8 authorities under which each such program or
9 activity is conducted;

10 (D) a description of the process and cri-
11 teria used to determine utilization between each
12 such authority or authorities;

13 (E) a description of how each such pro-
14 gram or activity advances United States na-
15 tional security interests as it relates to the De-
16 partment's strategy on the Philippines;

17 (F) an identification of the specific units of
18 the Philippine national security forces to receive
19 training, equipment, or assistance under each
20 such program;

21 (G) a description of the process and cri-
22 teria by which specific units of the Philippine
23 national security forces are selected as recipi-
24 ents of such programs and activities;

1 (H) an assessment of the current oper-
2 ational effectiveness of such units and their
3 command and control structures and a descrip-
4 tion of the metrics used to make and carry out
5 such assessment;

6 (I) an identification of priority capabilities
7 of such units to enhance through training,
8 equipment, or assistance under each such pro-
9 gram or activity;

10 (J) a plan to monitor and assess each such
11 program or activity to meet its objectives to en-
12 hance the capabilities of each such unit;

13 (K) a description of the planned posture of
14 United States Armed Forces and the planned
15 level of engagement by such forces with ele-
16 ments of the Philippine national security forces;
17 and

18 (L) an identification of—

19 (i) units of the Philippine national se-
20 curity forces that are alleged or determined
21 to have committed human rights abuses;
22 and

23 (ii) units of the Philippine national se-
24 curity forces that are under the command
25 and control of any unit identified under

1 clause (i) or otherwise associated with any
2 such unit.

3 (6) A description of relations of the Philippines
4 with other countries in the Indo-Pacific region.

5 (7) Any other matters the Secretary of Defense
6 determines should be included.

7 (c) FORM.—The strategy required by subsection (b)
8 shall be submitted in unclassified form without any des-
9 ignation relating to dissemination control, but may contain
10 a classified annex.

11 (d) APPROPRIATE CONGRESSIONAL COMMITTEES
12 DEFINED.—In this section, the term “appropriate con-
13 gressional committees” means—

14 (1) the congressional defense committees; and
15 (2) the Committee on Foreign Relations of the
16 Senate and the Committee on Foreign Affairs of the
17 House of Representatives.

1 **SEC. 1252. [LOG 69275] MODIFICATION AND EXTENSION OF**
2 **FUTURE YEARS PLAN AND PLANNING TRANS-**
3 **PARENCY FOR THE EUROPEAN DETERRENCE**
4 **INITIATIVE.**

5 (a) PLAN REQUIRED.—Section 1273(a) of the Na-
6 tional Defense Authorization Act for Fiscal Year 2018
7 (Public Law 115–91; 131 Stat. 1696) is amended—

8 (1) in paragraph (1), by striking “the date of
9 the enactment of this Act” and inserting “the date
10 of the enactment of the National Defense Authoriza-
11 tion Act for Fiscal Year 2020, and annually there-
12 after”; and

13 (2) in paragraph (2) to read as follows:

14 “(2) APPLICABILITY.—The initial plan shall
15 apply with respect to fiscal year 2021 and at least
16 the four succeeding fiscal years and each subsequent
17 plan shall apply with respect to the next subsequent
18 fiscal year and at least the four succeeding fiscal
19 years.”.

20 (b) BUDGET DISPLAY INFORMATION.—The Sec-
21 retary of Defense shall include in the materials submitted
22 to Congress by the Secretary in support of the budget of
23 the President for fiscal year 2021 and each fiscal year
24 thereafter (as submitted under section 1105 of title 31,
25 United States Code), a detailed budget display for the Eu-
26 ropean Deterrence Initiative that includes the following in-

1 formation (regardless of whether the funding line is for
2 overseas contingency operations):

3 (1) With respect to procurement accounts—

4 (A) amounts displayed by account, budget
5 activity, line number, line item, and line item
6 title; and

7 (B) a description of the requirements for
8 each such amounts specific to the Initiative.

9 (2) With respect to research, development, test,
10 and evaluation accounts—

11 (A) amounts displayed by account, budget
12 activity, line number, program element, and
13 program element title; and

14 (B) a description of the requirements for
15 each such amounts specific to the Initiative.

16 (3) With respect to operation and maintenance
17 accounts—

18 (A) amounts displayed by account title,
19 budget activity title, line number, and sub-
20 activity group title; and

21 (B) a description of how such amounts will
22 specifically be used.

23 (4) With respect to military personnel ac-
24 counts—

1 (A) amounts displayed by account, budget
2 activity, budget subactivity, and budget sub-
3 activity title; and

4 (B) a description of the requirements for
5 each such amounts specific to the Initiative.

6 (5) With respect to each project under military
7 construction accounts (including with respect to un-
8 specified minor military construction and amounts
9 for planning and design), the country, location,
10 project title, and project amount by fiscal year.

1 **SEC. 1253. [LOG 69284] PROTECTION OF EUROPEAN DETER-**
2 **RENCE INITIATIVE FUNDS FROM DIVERSION**
3 **FOR OTHER PURPOSES.**

4 (a) REPORT ON OBLIGATION OF FUNDS.—

5 (1) IN GENERAL.—Not later than 15 days after
6 any obligation of funds in an amount of
7 \$10,000,000 or more for the European Deterrence
8 Initiative for fiscal year 2020 and each fiscal year
9 thereafter, the Secretary of Defense shall submit to
10 the congressional defense committees a report on
11 that obligation of such funds for that fiscal year.

12 (2) MATTERS TO BE INCLUDED.—Each report
13 under paragraph (1) shall specify—

14 (A) the activities and forms of assistance
15 for which the Secretary obligated such funds;
16 and

17 (B) the amount of the obligation.

18 (b) END OF FISCAL YEAR REPORT.—Not later than
19 November 30, 2020, and annually thereafter, the Sec-
20 retary of Defense shall submit to the congressional defense
21 committees a report that contains—

22 (1) a detailed summary of funds obligated for
23 the European Deterrence Initiative for the preceding
24 fiscal year; and

25 (2) a detailed comparison of funds obligated for
26 the European Deterrence Initiative for the preceding

1 fiscal year to amounts requested for the Initiative
2 for that fiscal year in the materials submitted to
3 Congress by the Secretary in support of the budget
4 of the President for that fiscal year as required by
5 section 1252(b), including with respect to each of
6 the accounts described in paragraphs (1), (2), (3),
7 (4), and (5) of section 1252(b) and the information
8 required under each such paragraph.

1 **SEC. 1254. [LOG 69285] STATEMENT OF POLICY ON UNITED**
2 **STATES MILITARY INVESTMENT IN EUROPE.**

3 It is the policy of the United States to develop, imple-
4 ment, and sustain a credible deterrent against aggression
5 and long-term strategic competition by the Government of
6 Russia in order to enhance regional and global security
7 and stability, including by the following:

8 (1) Increased United States presence in Eu-
9 rope, including additional permanently stationed
10 forces, continued rotational deployments, increased
11 pre-positioned military equipment, and sufficient and
12 necessary infrastructure additions and improvements
13 throughout Europe.

14 (2) Planning regarding the United States mili-
15 tary footprint in Europe to recognize the essential
16 role played by United States allies and partners in
17 establishing deterrence and advancing regional and
18 global security and stability.

19 (3) Commitment to the North Atlantic Treaty
20 Organization (NATO) and its founding values and
21 commitments by NATO allies to the common de-
22 fense, including NATO goals regarding defense in-
23 vestments, and to NATO's founding principles of de-
24 mocracy, individual liberty, and the rule of law.

25 (4) Planning to ensure the United States mili-
26 tary footprint in Europe is holistic and geographi-

1 cally appropriate for a comprehensive response to
2 the challenges posed by the Government of Russia
3 across numerous European fronts.

4 (5) Commitment to United States Government
5 investment and prioritization of efforts in Europe,
6 particularly through efforts led by the Department
7 of State, to counter the Government of Russia's
8 global campaign to interfere in and undermine
9 democratic systems of government, elections, values,
10 and institutions, and disrupt United States alliances
11 and partnerships, through indirect action (such as
12 information operations intended to influence), in-
13 cluding robust information sharing and cooperation
14 with partners and allies to counter influence cam-
15 paigns and sufficient cyber, counter-messaging, and
16 intelligence resources.

17 (6) Planning to take into account the impor-
18 tance of strategic stability, arms control, and stra-
19 tegic dialogue as they contribute to United States
20 national security, collective defense, and regional
21 and global security.

1 **SEC. 1255. [LOG 69279] LIMITATION ON TRANSFER OF F-35**
2 **AIRCRAFT TO TURKEY.**

3 (a) LIMITATION.—Except as provided in subsection
4 (b), no funds authorized to be appropriated or otherwise
5 made available to the Department of Defense for fiscal
6 year 2020 may be obligated or expended—

7 (1) to transfer, facilitate the transfer, or au-
8 thorize the transfer of, any F-35 aircraft or related
9 support equipment or parts to Turkey;

10 (2) to transfer intellectual property, technical
11 data, or material support necessary for or related to
12 any maintenance or support of the F-35 aircraft
13 necessary to establish Turkey's indigenous F-35 ca-
14 pability; or

15 (3) to construct a storage facility for, or other-
16 wise facilitate the storage in Turkey of, any F-35
17 aircraft transferred to Turkey.

18 (b) EXCEPTION.—The Secretary of Defense, jointly
19 with the Secretary of State, may waive the limitation
20 under subsection (a) only if such Secretaries submit to the
21 appropriate congressional committees a written certifi-
22 cation that contains a determination of such Secretaries,
23 and any relevant documentation that forms the basis for
24 the determination, that—

25 (1) the Government of Turkey has provided
26 credible assurances that Turkey will not accept de-

1 livery of the S–400 air and missile defense system
2 from Russia; or

3 (2) if the Government of Turkey has previously
4 accepted delivery of the S–400 air and missile de-
5 fense system from the Russia, the Government of
6 Turkey—

7 (A) no longer possesses the S–400 air and
8 missile defense system or any other equipment,
9 materials, or personnel associated with such
10 system; and

11 (B) has provided credible assurances that
12 it will not in the future accept delivery of the
13 S–400 air and missile defense system.

14 (c) APPLICABILITY.—The limitation under subsection
15 (a) does not apply with respect to F–35 aircraft operated
16 by the United States Armed Forces.

17 (d) DEFINITIONS.—In this section:

18 (1) APPROPRIATE CONGRESSIONAL COMMIT-
19 TEES.—The term “appropriate congressional com-
20 mittees” means—

21 (A) the congressional defense committees;
22 and

23 (B) the Committee on Foreign Relations of
24 the Senate and the Committee on Foreign Af-
25 fairs of the House of Representatives.

1 (2) TRANSFER.—The term “transfer” includes,
2 with respect to an F-35 aircraft, the physical reloca-
3 tion of the F-35 aircraft outside of the United
4 States.

1 **Subtitle G—Other Matters**

2 **SEC. 1261. [LOG 69759] SENSE OF CONGRESS ON UNITED**
3 **STATES PARTNERS AND ALLIES.**

4 It is the sense of Congress that—

5 (1) United States partners and allies are crit-
6 ical to achieving United States national security in-
7 terests and defense objectives around the world;

8 (2) strong military-to-military relationships with
9 partners and allies have helped to solidify and un-
10 dergird the post-World War II international order
11 and enhanced the United States' security through
12 common defense; and

13 (3) the United States should pursue a long-
14 term policy to strengthen existing military-to-mili-
15 tary relationships and cooperation with partners and
16 allies to achieve mutual objectives, and build new re-
17 lationships based on common values and shared in-
18 terests.

1 **SEC. 1262. [LOG 70065] MODIFICATION TO REPORT ON**
2 **LEGAL AND POLICY FRAMEWORKS FOR THE**
3 **USE OF MILITARY FORCE.**

4 Section 1264 of the National Defense Authorization
5 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.
6 1689) is amended—

7 (1) in the heading for subsection (a), by strik-
8 ing “INITIAL” and inserting “ANNUAL”;

9 (2) in subsection (a)(1), by striking “90 days
10 after the date of the enactment of this Act” and in-
11 sserting “March 1 of each year”; and

12 (3) in subsection (a)(2), by striking “during the
13 period” and all that follows to the end and inserting
14 “from the preceding year.”.

1 **SEC. 1263. [LOG 69711] LIMITATION ON AVAILABILITY OF**
2 **CERTAIN FUNDS UNTIL REPORT ON DEPART-**
3 **MENT OF DEFENSE MISSIONS, OPERATIONS,**
4 **AND ACTIVITIES IN NIGER IS SUBMITTED TO**
5 **CONGRESS.**

6 Of the funds authorized to be appropriated by this
7 Act or otherwise made available for fiscal year 2020 for
8 Operation and Maintenance, Defense-Wide, Office of the
9 Secretary of Defense, for Travel of Persons, not more than
10 80 percent of such funds may be obligated or expended
11 until the date on which the Secretary of Defense submits
12 the report required under section 1276 of the John S.
13 McCain National Defense Authorization Act for Fiscal
14 Year 2019 (Public Law 115–232; 132 Stat. 2070), relat-
15 ing to the report on Department of Defense missions, op-
16 erations, and activities in Niger, to the committees of Con-
17 gress specified in such section.

1 **SEC. 1264. [LOG 69899] INDEPENDENT ASSESSMENT OF**
2 **SUFFICIENCY OF RESOURCES AVAILABLE TO**
3 **UNITED STATES SOUTHERN COMMAND AND**
4 **UNITED STATES AFRICA COMMAND.**

5 (a) IN GENERAL.—The Secretary of Defense shall
6 seek to enter into a contract with a not-for-profit entity
7 or federally funded research and development center inde-
8 pendent of the Department of Defense to conduct an as-
9 sessment of the sufficiency of resources available to United
10 States Southern Command and United States Africa Com-
11 mand to carry out their respective missions.

12 (b) MATTERS TO BE INCLUDED.—The assessment
13 described in subsection (a) shall include—

14 (1) an assessment of the sufficiency of the re-
15 sources available to United States Southern Com-
16 mand and United States Africa Command, including
17 personnel, human resources, and financial resources,
18 in promoting United States national security inter-
19 ests;

20 (2) an assessment of the level of regional exper-
21 tise and experience of the leadership of each such
22 combatant command and their subordinate organiza-
23 tions, service components, and task forces, to include
24 personnel from agencies other than the Department
25 of Defense;

1 (3) a description of the strategic objectives and
2 end states in the geographic region for which each
3 such combatant command has responsibility and a
4 comparison of the importance and priority of the re-
5 sources available to each such combatant command
6 to perform its mission; and

7 (4) an assessment of the ability of each such
8 combatant command to carry out such strategic ob-
9 jectives and end states, including an assessment of
10 resources available, forces available, and other inter-
11 agency resources available to the combatant com-
12 mand.

13 (c) ACCESS TO INFORMATION.—The not-for-profit
14 entity or federally funded research and development center
15 with which the Secretary enters into the contract under
16 subsection (a) shall have full and direct access to all infor-
17 mation related to resources available to United States
18 Southern Command and United States Africa Command.

19 (d) REPORT.—

20 (1) IN GENERAL.—Not later than 240 days
21 after the date of the enactment of this Act, the not-
22 for-profit entity or federally funded research and de-
23 velopment center with which the Secretary of De-
24 fense enters into the contract under subsection (a)
25 shall submit to the Secretary of the Defense, the

1 Secretary of State, and the Administrator of the
2 United States Agency for International Development
3 a report that contains the assessment required by
4 subsection (a).

5 (2) SUBMISSION TO CONGRESS.—Not later than
6 1 year after the date of the enactment of this Act,
7 the Secretary of Defense shall submit to the appro-
8 priate congressional committees—

9 (A) a copy of such report without change;
10 and

11 (B) any comments, changes, recommenda-
12 tions, or other information of the Secretary of
13 the Defense, the Secretary of State, and the
14 Administrator of the United States Agency for
15 International Development relating to the as-
16 sessment required by subsection (a) and con-
17 tained in such report.

18 (e) APPROPRIATE CONGRESSIONAL COMMITTEES DE-
19 FINED.—In this section, the term “appropriate congres-
20 sional committees” means—

21 (1) the congressional defense committees; and
22 (2) the Committee on Foreign Relations of the
23 Senate and the Committee on Foreign Affairs of the
24 House of Representatives.

1 **SEC. 1265. [LOG 70204] RULE OF CONSTRUCTION RELATING**
2 **TO USE OF MILITARY FORCE.**

3 Nothing in this Act or any amendment made by this
4 Act may be construed to authorize the use of military
5 force.



1 **SEC. 1301 [Log 70173]. FUNDING ALLOCATIONS.**

2 Of the \$338,700,000 authorized to be appropriated
3 to the Department of Defense for fiscal year 2020 in sec-
4 tion 301 and made available by the funding table in divi-
5 sion D for the Department of Defense Cooperative Threat
6 Reduction Program established under section 1321 of the
7 Department of Defense Cooperative Threat Reduction Act
8 (50 U.S.C. 3711), the following amounts may be obligated
9 for the purposes specified:

10 (1) For strategic offensive arms elimination,
11 \$492,000.

12 (2) For chemical weapons destruction,
13 \$12,856,000.

14 (3) For global nuclear security, \$33,919,000.

15 (4) For cooperative biological engagement,
16 \$183,642,000.

17 (5) For proliferation prevention, \$79,869,000.

18 (6) For activities designated as Other Assess-
19 ments/Administrative Costs, \$27,922,000.

1 **SEC. 1302 [Log 70174]. SPECIFICATION OF COOPERATIVE**
2 **THREAT REDUCTION FUNDS.**

3 Funds appropriated pursuant to the authorization of
4 appropriations in section 301 and made available by the
5 funding table in division D for the Department of Defense
6 Cooperative Threat Reduction Program shall be available
7 for obligation for fiscal years 2020, 2021, and 2022.

1 **Subtitle A—Military Programs**

2 **SEC. 1401. [LOG 69403] WORKING CAPITAL FUNDS.**

3 Funds are hereby authorized to be appropriated for
4 fiscal year 2020 for the use of the Armed Forces and other
5 activities and agencies of the Department of Defense for
6 providing capital for working capital and revolving funds,
7 as specified in the funding table in section 4501.

1 **SEC. 1402. [LOG 69404] CHEMICAL AGENTS AND MUNITIONS**

2 **DESTRUCTION, DEFENSE.**

3 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds
4 are hereby authorized to be appropriated for the Depart-
5 ment of Defense for fiscal year 2020 for expenses, not oth-
6 erwise provided for, for Chemical Agents and Munitions
7 Destruction, Defense, as specified in the funding table in
8 section 4501.

9 (b) USE.—Amounts authorized to be appropriated
10 under subsection (a) are authorized for—

11 (1) the destruction of lethal chemical agents
12 and munitions in accordance with section 1412 of
13 the Department of Defense Authorization Act, 1986
14 (50 U.S.C. 1521); and

15 (2) the destruction of chemical warfare materiel
16 of the United States that is not covered by section
17 1412 of such Act.

1 **SEC. 1403. [LOG 69405] DRUG INTERDICTION AND**
2 **COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.**

3 Funds are hereby authorized to be appropriated for
4 the Department of Defense for fiscal year 2020 for ex-
5 penses, not otherwise provided for, for Drug Interdiction
6 and Counter-Drug Activities, Defense-wide, as specified in
7 the funding table in section 4501.

1 **SEC. 1404. [LOG 69406] DEFENSE INSPECTOR GENERAL.**

2 Funds are hereby authorized to be appropriated for
3 the Department of Defense for fiscal year 2020 for ex-
4 penses, not otherwise provided for, for the Office of the
5 Inspector General of the Department of Defense, as speci-
6 fied in the funding table in section 4501.

1 **SEC. 1405. [LOG 69407] DEFENSE HEALTH PROGRAM.**

2 Funds are hereby authorized to be appropriated for
3 fiscal year 2020 for the Defense Health Program for use
4 of the Armed Forces and other activities and agencies of
5 the Department of Defense for providing for the health
6 of eligible beneficiaries, as specified in the funding table
7 in section 4501.

1 **SEC. 1406. [LOG 70235] NATIONAL DEFENSE SEALIFT FUND.**

2 Funds are hereby authorized to be appropriated for
3 fiscal year 2020 for the National Defense Sealift Fund,
4 as specified in the funding tables in section 4501.

1 **Subtitle A—Authorization of**
2 **Appropriations**

3 **SEC. 1501. [LOG 69408] PURPOSE.**

4 The purpose of this title is to authorize appropria-
5 tions for the Department of Defense for fiscal year 2020
6 to provide additional funds for overseas contingency oper-
7 ations being carried out by the Armed Forces.

1 **SEC. 1502. [LOG 69409] PROCUREMENT.**

2 Funds are hereby authorized to be appropriated for
3 fiscal year 2020 for procurement accounts for the Army,
4 the Navy and the Marine Corps, the Air Force, and De-
5 fense-wide activities, as specified in the funding table in
6 section 4102.

1 **SEC. 1503. [LOG 69410] RESEARCH, DEVELOPMENT, TEST,**
2 **AND EVALUATION.**

3 Funds are hereby authorized to be appropriated for
4 fiscal year 2020 for the use of the Department of Defense
5 for research, development, test, and evaluation, as speci-
6 fied in the funding table in section 4202.

1 **SEC. 1504. [LOG 69411] OPERATION AND MAINTENANCE.**

2 Funds are hereby authorized to be appropriated for
3 fiscal year 2020 for the use of the Armed Forces and other
4 activities and agencies of the Department of Defense for
5 expenses, not otherwise provided for, for operation and
6 maintenance, as specified in the funding table in section
7 4302.

1 **SEC. 1505. [LOG 69412] MILITARY PERSONNEL.**

2 Funds are hereby authorized to be appropriated for
3 fiscal year 2020 for the use of the Armed Forces and other
4 activities and agencies of the Department of Defense for
5 expenses, not otherwise provided for, military personnel
6 accounts, as specified in the funding table in section 4402.

1 **SEC. 1506. [LOG 69413] WORKING CAPITAL FUNDS.**

2 Funds are hereby authorized to be appropriated for
3 fiscal year 2020 for the use of the Armed Forces and other
4 activities and agencies of the Department of Defense for
5 providing capital for working capital and revolving funds,
6 as specified in the funding table in section 4502.

1 **SEC. 1507. [LOG 69414] DRUG INTERDICTION AND**
2 **COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.**

3 Funds are hereby authorized to be appropriated for
4 the Department of Defense for fiscal year 2020 for ex-
5 penses, not otherwise provided for, for Drug Interdiction
6 and Counter-Drug Activities, Defense-wide, as specified in
7 the funding table in section 4502.

1 **SEC. 1508. [LOG 69415] DEFENSE INSPECTOR GENERAL.**

2 Funds are hereby authorized to be appropriated for
3 the Department of Defense for fiscal year 2020 for ex-
4 penses, not otherwise provided for, for the Office of the
5 Inspector General of the Department of Defense, as speci-
6 fied in the funding table in section 4502.

1 **SEC. 1509. [LOG 69416] DEFENSE HEALTH PROGRAM.**

2 Funds are hereby authorized to be appropriated for
3 the Department of Defense for fiscal year 2020 for ex-
4 penses, not otherwise provided for, for the Defense Health
5 Program, as specified in the funding table in section 4502.

1 **Subtitle B—Financial Matters**

2 **SEC. 1511. [LOG 69417] TREATMENT AS ADDITIONAL AU-**
3 **THORIZATIONS.**

4 The amounts authorized to be appropriated by this
5 title are in addition to amounts otherwise authorized to
6 be appropriated by this Act.

1 **SEC. 1512. [LOG 69419] SPECIAL TRANSFER AUTHORITY.**

2 (a) **AUTHORITY TO TRANSFER AUTHORIZATIONS.—**

3 (1) **AUTHORITY.**—Upon determination by the
4 Secretary of Defense that such action is necessary in
5 the national interest, the Secretary may transfer
6 amounts of authorizations made available to the De-
7 partment of Defense in this title for fiscal year 2019
8 between any such authorizations for that fiscal year
9 (or any subdivisions thereof). Amounts of authoriza-
10 tions so transferred shall be merged with and be
11 available for the same purposes as the authorization
12 to which transferred.

13 (2) **LIMITATION.**—The total amount of author-
14 izations that the Secretary may transfer under the
15 authority of this subsection may not exceed
16 \$500,000,000.

17 (b) **TERMS AND CONDITIONS.—**

18 (1) **IN GENERAL.**—Transfers under this section
19 shall be subject to the same terms and conditions as
20 transfers under section 1001.

21 (2) **ADDITIONAL LIMITATION ON TRANSFERS**
22 **FOR DRUG INTERDICTION AND COUNTER DRUG AC-**
23 **TIVITIES.**—The authority provided by subsection (a)
24 may not be used to transfer any amount to Drug
25 Interdiction and Counter Drug Activities, Defense-
26 wide.

1 (c) ADDITIONAL AUTHORITY.—The transfer author-
2 ity provided by this section is in addition to the transfer
3 authority provided under section 1001.

1 **Subtitle C—Other Matters**

2 **SEC. 1521. [LOG 69251] AFGHANISTAN SECURITY FORCES**

3 **FUND.**

4 (a) CONTINUATION OF PRIOR AUTHORITIES AND NO-
5 TICE AND REPORTING REQUIREMENTS.—Funds available
6 to the Department of Defense for the Afghanistan Secu-
7 rity Forces Fund for fiscal year 2020 shall be subject to
8 the conditions contained in—

9 (1) subsections (b) through (f) of section 1513
10 of the National Defense Authorization Act for Fiscal
11 Year 2008 (Public Law 110–181; 122 Stat. 428);
12 and

13 (2) section 1521(d)(1) of the National Defense
14 Authorization Act for Fiscal Year 2017 (Public Law
15 114–328; 130 Stat. 2577).

16 (b) EQUIPMENT DISPOSITION.—

17 (1) ACCEPTANCE OF CERTAIN EQUIPMENT.—
18 Subject to paragraph (2), the Secretary of Defense
19 may accept equipment that is procured using
20 amounts authorized to be appropriated for the Af-
21 ghanistan Security Forces Fund by this Act and is
22 intended for transfer to the security forces of the
23 Ministry of Defense and the Ministry of the Interior
24 of the Government of Afghanistan, but is not accept-
25 ed by such security forces.

1 (2) CONDITIONS ON ACCEPTANCE OF EQUIP-
2 MENT.—Before accepting any equipment under the
3 authority provided by paragraph (1), the Com-
4 mander of United States forces in Afghanistan shall
5 make a determination that such equipment was pro-
6 cured for the purpose of meeting requirements of the
7 security forces of the Ministry of Defense and the
8 Ministry of the Interior of the Government of Af-
9 ghanistan, as agreed to by both the Government of
10 Afghanistan and the Government of the United
11 States, but is no longer required by such security
12 forces or was damaged before transfer to such secu-
13 rity forces.

14 (3) ELEMENTS OF DETERMINATION.—In mak-
15 ing a determination under paragraph (2) regarding
16 equipment, the Commander of United States forces
17 in Afghanistan shall consider alternatives to the ac-
18 ceptance of such equipment by the Secretary. An ex-
19 planation of each determination, including the basis
20 for the determination and the alternatives consid-
21 ered, shall be included in the relevant quarterly re-
22 port required under paragraph (5).

23 (4) TREATMENT AS DEPARTMENT OF DEFENSE
24 STOCKS.—Equipment accepted under the authority
25 provided by paragraph (1) may be treated as stocks

1 of the Department of Defense upon notification to
2 the congressional defense committees of such treat-
3 ment.

4 (5) QUARTERLY REPORTS ON EQUIPMENT DIS-
5 POSITION.—

6 (A) IN GENERAL.—Not later than 90 days
7 after the date of the enactment of this Act and
8 every 90-day period thereafter during which the
9 authority provided by paragraph (1) is exer-
10 cised, the Secretary shall submit to the congress-
11 sional defense committees a report describing
12 the equipment accepted during the period cov-
13 ered by such report under the following:

14 (i) This subsection.

15 (ii) Section 1521(b) of the National
16 Defense Authorization Act for Fiscal Year
17 2017 (Public Law 114–328; 130 Stat.
18 2575).

19 (iii) Section 1531(b) of the National
20 Defense Authorization Act for Fiscal Year
21 2016 (Public Law 114–92; 129 Stat.
22 1088).

23 (iv) Section 1532(b) of the Carl Levin
24 and Howard P. “Buck” McKeon National
25 Defense Authorization Act for Fiscal Year

1 2015 (Public Law 113–291; 128 Stat.
2 3613).

3 (v) Section 1531(d) of the National
4 Defense Authorization Act for Fiscal Year
5 2014 (Public Law 113–66; 127 Stat. 938;
6 10 U.S.C. 2302 note).

7 (B) ELEMENTS.—Each report under sub-
8 paragraph (A) shall include a list of all equip-
9 ment that was accepted during the period cov-
10 ered by such report and treated as stocks of the
11 Department of Defense and copies of the deter-
12 minations made under paragraph (2), as re-
13 quired by paragraph (3).

14 (c) SECURITY OF AFGHAN WOMEN.—

15 (1) IN GENERAL.—Of the funds available to the
16 Department of Defense for the Afghan Security
17 Forces Fund for fiscal year 2020, it is the goal that
18 \$45,500,000, but in no event less than \$10,000,000,
19 shall be used for—

20 (A) the recruitment, integration, retention,
21 training, and treatment of women in the Af-
22 ghan National Defense and Security Forces;
23 and

1 (B) the recruitment, training, and con-
2 tracting of female security personnel for future
3 elections.

4 (2) TYPES OF PROGRAMS AND ACTIVITIES.—
5 Such programs and activities may include—

6 (A) efforts to recruit and retain women
7 into the Afghan National Defense and Security
8 Forces, including the special operations forces;

9 (B) programs and activities of the Direc-
10 torate of Human Rights and Gender Integra-
11 tion of the Ministry of Defense of Afghanistan
12 and the Office of Human Rights, Gender and
13 Child Rights of the Ministry of Interior of Af-
14 ghanistan;

15 (C) development and dissemination of gen-
16 der and human rights educational and training
17 materials and programs within the Ministry of
18 Defense and the Ministry of Interior of Afghan-
19 istan;

20 (D) efforts to address harassment and vio-
21 lence against women within the Afghan Na-
22 tional Defense and Security Forces;

23 (E) improvements to infrastructure that
24 address the requirements of women serving in
25 the Afghan National Defense and Security

1 Forces, including appropriate equipment for fe-
2 male security and police forces, and transpor-
3 tation for policewomen to their station;

4 (F) support for Afghanistan National Po-
5 lice Family Response Units; and

6 (G) security provisions for high-profile fe-
7 male police and military officers.

8 (d) ASSESSMENT OF AFGHANISTAN PROGRESS ON
9 OBJECTIVES.—

10 (1) ASSESSMENT REQUIRED.—Not later than
11 June 1, 2020, the Secretary of Defense shall, in con-
12 sultation with the Secretary of State, submit to the
13 Committee on Armed Services and the Committee on
14 Foreign Affairs of the House of Representatives and
15 the Committee on Armed Services and the Com-
16 mittee on Foreign Relations of the Senate an assess-
17 ment describing—

18 (A) the progress of the Government of the
19 Islamic Republic of Afghanistan toward meeting
20 shared security objectives; and

21 (B) the efforts of the Government of the
22 Islamic Republic of Afghanistan to manage, em-
23 ploy, and sustain the equipment and inventory
24 provided under subsection (a).

1 (2) MATTERS TO BE INCLUDED.—In conducting
2 the assessment required by paragraph (1), the Sec-
3 retary of Defense shall include each of the following:

4 (A) A consideration of the extent to which
5 the Government of Afghanistan has a strategy
6 for, and has taken steps toward, increased ac-
7 countability and the reduction of corruption
8 within the Ministry of Defense and the Ministry
9 of Interior of Afghanistan.

10 (B) A consideration of the extent to which
11 the capability and capacity of the Afghan Na-
12 tional Defense and Security Forces have im-
13 proved as a result of Afghanistan Security
14 Forces Fund investment, including through
15 training, and an articulation of the metrics used
16 to assess such improvements.

17 (C) A consideration of the extent to which
18 the Afghan National Defense and Security
19 Forces have been able to increase pressure on
20 the Taliban, al-Qaeda, the Haqqani network,
21 the Islamic State of Iraq and Syria-Khorasan,
22 and other terrorist organizations, including by
23 re-taking territory, defending territory, and dis-
24 rupting attacks.

1 (D) A consideration of the distribution
2 practices of the Afghan National Defense and
3 Security Forces and whether the Government of
4 Afghanistan is ensuring that supplies, equip-
5 ment, and weaponry supplied by the United
6 States are appropriately distributed to, and em-
7 ployed by, security forces charged with fighting
8 the Taliban and other terrorist organizations.

9 (E) A consideration of the extent to which
10 the Government of Afghanistan has designated
11 the appropriate staff, prioritized the develop-
12 ment of relevant processes, and provided or re-
13 quested the allocation of resources necessary to
14 support a peace and reconciliation process in
15 Afghanistan.

16 (F) A description of the ability of the Min-
17 istry of Defense and the Ministry of Interior of
18 Afghanistan to manage and account for pre-
19 viously divested equipment, including a descrip-
20 tion of any vulnerabilities or weaknesses of the
21 internal controls of such Ministry of Defense
22 and Ministry of Interior and any plan in place
23 to address shortfalls.

24 (G) A description of the monitoring and
25 evaluation systems in place to ensure assistance

1 provided under subsection (a) is used only for
2 the intended purposes.

3 (H) A description of any significant irreg-
4 ularities in the divestment of equipment to the
5 Afghan National Defense and Security Forces
6 during the period beginning on May 1, 2019,
7 and ending on May 1, 2020, including any
8 major losses of such equipment or any inability
9 on the part of the Afghan National Defense and
10 Security Forces to account for equipment so
11 procured.

12 (I) A description of the sustainment and
13 maintenance costs required during the period
14 beginning on May 1, 2019, and ending on May
15 1, 2020, for major weapons platforms pre-
16 viously divested, and a plan for how the Afghan
17 National Defense and Security Forces intends
18 to maintain such platforms in the future.

19 (J) A consideration of the extent to which
20 the Government of Afghanistan is adhering to
21 conditions for receiving assistance established in
22 annual financial commitment letters or any
23 other bilateral agreements with the United
24 States.

1 (K) A consideration of the extent to which
2 the Government of Afghanistan has made
3 progress in achieving security sector bench-
4 marks as outlined by the United States-Afghan
5 Compact (commonly known as the “Kabul
6 Compact”).

7 (L) Such other factors as the Secretaries
8 consider appropriate.

9 (3) FORM.—The assessment required by para-
10 graph (1) shall be submitted in unclassified form,
11 but may include a classified annex.

12 (4) WITHHOLDING OF ASSISTANCE FOR INSUF-
13 FICIENT PROGRESS.—

14 (A) IN GENERAL.—If the Secretary of De-
15 fense determines, in coordination with the Sec-
16 retary of State and pursuant to the assessment
17 under paragraph (1), that the Government of
18 Afghanistan has made insufficient progress in
19 the areas described in paragraph (2), the Sec-
20 retary of Defense shall—

21 (i) withhold \$480,000,000, to be de-
22 rived from amounts made available for as-
23 sistance for the Afghan National Defense
24 and Security Forces, from expenditure or
25 obligation until the date on which the Sec-

1 retary certifies to Congress that the Gov-
2 ernment of Afghanistan has made suffi-
3 cient progress; and

4 (ii) notify Congress not later than 30
5 days before withholding such funds.

6 (B) WAIVER.—If the Secretary of Defense
7 determines that withholding such assistance
8 would impede the national security objectives of
9 the United States by prohibiting, restricting,
10 delaying, or otherwise limiting the provision of
11 assistance, the Secretary may waive the with-
12 holding requirement under subparagraph (A) if
13 the Secretary, in coordination with the Sec-
14 retary of State, certifies such determination to
15 Congress not later than 30 days before the ef-
16 fective date of the waiver.



1 **Subtitle A—Space Activities**

2 **SEC. 1601.[Log 69499] NATIONAL SECURITY SPACE LAUNCH** 3 **PROGRAM.**

4 (a) **COMPETITIVE PROCEDURES.**—If the Secretary of
5 the Air Force awards phase two contracts for more than
6 a total of 29 launches, the Secretary shall ensure that each
7 such contract for any launch after the 29th launch is
8 awarded using competitive procedures among all National
9 Security Space Launch providers.

10 (b) **FUNDING FOR CERTIFICATION AND INFRASTRUC-**
11 **TURE.**—

12 (1) **AUTHORITY.**—Pursuant to section 2371b of
13 title 10, United States Code, the Secretary of the
14 Air Force shall enter into an agreement described in
15 paragraph (2) with either National Security Space
16 Launch providers that have entered into a phase two
17 contract for launch services occurring after fiscal
18 year 2022 or National Security Space Launch pro-
19 viders that have entered into a phase two contract
20 but have not entered into a launch services agree-
21 ment for such phase, or both.

22 (2) **AGREEMENTS.**—An agreement described in
23 this paragraph is an agreement that provides a Na-
24 tional Security Space Launch provider with not
25 more than \$500,000,000 for the provider to meet

1 the certification and infrastructure requirements
2 that are—

3 (A) unique to national security space mis-
4 sions; and

5 (B) necessary for a phase two contract, in-
6 cluding such contracts described in subsection

7 (a).

8 (c) PROVISION OF MATERIAL INFORMATION.—The
9 Secretary of Defense shall take such actions that are nec-
10 essary to ensure that the supplier of an item to be pro-
11 cured for use in the performance of a phase two contract
12 shall provide material information about the item to a Na-
13 tional Security Space Launch provider for use in pre-
14 paring an offer for such phase two contract.

15 (d) COUNTING TOTAL INVESTMENTS IN EVALUA-
16 TION.—In awarding a phase two contract, the evaluation
17 shall account for the total investment made by the Depart-
18 ment of Defense with respect to launch service agreements
19 and engine development of the National Security Space
20 Launch provider.

21 (e) DOWN SELECT NOTIFICATION.—The Under Sec-
22 retary of Defense for Acquisition and Sustainment, in co-
23 ordination with the Secretary of the Air Force, shall sub-
24 mit to the appropriate congressional committees written
25 notification of the two National Security Space Launch

1 providers selected during fiscal year 2020 by the Secretary
2 of the Air Force to be awarded phase two contracts not
3 later than 10 days before the Secretary publicly announces
4 such selection. The notification shall include, at a min-
5 imum—

- 6 (1) an identification of the selected providers;
- 7 (2) the evaluation criteria used in the selection;
- 8 (3) the total costs to the Air Force for such
9 contracts; and
- 10 (4) a risk assessment of the selected providers
11 in meeting national security requirements.

12 (f) DEFINITIONS.—In this section:

13 (1) The term “appropriate congressional com-
14 mittees” means—

15 (A) the congressional defense committees;

16 and

17 (B) the Permanent Select Committee on
18 Intelligence of the House of Representatives
19 and the Select Committee on Intelligence of the
20 Senate.

21 (2) The term “phase two contract” means a
22 contract for launch services under the National Se-
23 curity Space Launch program during fiscal years
24 2020 through 2024, as described in solicitation
25 number FA8811–19–R–0002 of the Air Force.

1 **SEC. 1603.[Log 69501] SPACE-BASED ENVIRONMENTAL MON-**
2 **ITORING MISSION REQUIREMENTS.**

3 (a) NRO.—

4 (1) **PROCUREMENT.**—The Director of the Na-
5 tional Reconnaissance Office shall procure a modern-
6 ized pathfinder program free-flyer satellite that—

7 (A) addresses space-based environmental
8 monitoring mission requirements;

9 (B) reduces the risk that the Department
10 of Defense experiences a gap in meeting such
11 requirements during the period beginning Janu-
12 ary 1, 2023, and ending December 31, 2025;
13 and

14 (C) is launched not later than January 1,
15 2023.

16 (2) **PLAN.**—Not later than 60 days after the
17 date of the enactment of this Act, the Director, in
18 coordination with the Secretary of the Air Force,
19 shall submit to the appropriate congressional com-
20 mittees a plan for the Director to procure and
21 launch the satellite under paragraph (1), including
22 with respect to—

23 (A) the requirements for such satellite, in-
24 cluding operational requirements;

25 (B) timelines for such procurement and
26 launch;

1 (C) costs for such procurement and launch;
2 and
3 (D) the launch plan.

4 (3) PROCEDURES.—The Director shall ensure
5 that the satellite under paragraph (1) is procured
6 using full and open competition through the use of
7 competitive procedures.

8 (b) AIR FORCE.—The Secretary of the Air Force
9 shall ensure that the electro-optical/infrared weather sys-
10 tem satellite—

11 (1) meets space-based environmental moni-
12 toring mission requirements;

13 (2) is procured using full and open competition
14 through the use of competitive procedures; and

15 (3) is launched not later than September 30,
16 2025.

17 (c) DEFINITIONS.—In this section:

18 (1) The term “appropriate congressional com-
19 mittees” means—

20 (A) the congressional defense committees;
21 and

22 (B) the Permanent Select Committee on
23 Intelligence of the House of Representatives
24 and the Select Committee on Intelligence of the
25 Senate.

1 (2) The term “space-based environmental moni-
2 toring mission requirements” means the national se-
3 curity requirements for cloud characterization and
4 theater weather imagery.

1 **SEC. 1606.[Log 69504] INDEPENDENT STUDY ON PLAN FOR**
2 **DETERRENCE IN SPACE.**

3 (a) FINDINGS.—Congress finds the following:

4 (1) Threats to space systems of the United
5 States have increased and continue to grow.

6 (2) While the United States must invest in ca-
7 pabilities to defend such systems in the event of an
8 attack in space, the United States must also identify
9 and implement policies that will reduce the likelihood
10 of such an attack.

11 (3) The United States is developing new capa-
12 bilities for enhancing resilience of such systems.

13 (4) However, the proper balance between active
14 defense, resilience, and the still lagging investment
15 area of reconstitution to enhance deterrence remains
16 unclear, as does the balance between classified and
17 unclassified activities needed to create deterrence.

18 (5) Independent analysis and assessment is nec-
19 essary to identify steps to increase deterrence in
20 space.

21 (b) INDEPENDENT STUDY.—

22 (1) IN GENERAL.—Not later than 30 days after
23 the date of the enactment of this Act, the Secretary
24 of Defense shall seek to enter into a contract with
25 a federally funded research and development center

1 or other independent entity to conduct a study on
2 deterrence in space.

3 (2) MATTERS INCLUDED.—The study under
4 paragraph (1) shall include, at a minimum, the fol-
5 lowing:

6 (A) An assessment of the existing range of
7 major studies and writings on space deterrence
8 and a comprehensive comparative analysis of
9 the conclusions of such studies and writings.

10 (B) An examination, using appropriate an-
11 alytical tools, of the approaches proposed by
12 such studies and writings with respect to cre-
13 ating conditions of deterrence suitable for use
14 in the space domain, including, at a minimum,
15 an assessment of all aspects of deterrence in
16 space, including varying classification, strate-
17 gies to deny benefit or impose cost, and space
18 mission assurance (including resilience, active
19 defense, and reconstitution).

20 (C) A determination, made either by ex-
21 tending such studies and writings or through
22 new analysis, of a holistic and comprehensive
23 theory of deterrence in space appropriate for
24 use in defense planning.

1 (D) An evaluation of existing policies, pro-
2 grams, and plans of the Department of Defense
3 to provide an assessment of the likely effective-
4 ness of those policies, programs, and plans to
5 achieve effective space deterrence.

6 (c) ASSESSMENT BY DEFENSE POLICY BOARD.—Not
7 later than 180 days after the date of the enactment of
8 this Act, the Defense Policy Board shall submit to the Sec-
9 retary of Defense an assessment of the study under sub-
10 section (b)(1), including, at a minimum—

11 (1) a determination of the soundness of the
12 study;

13 (2) a description of any disagreements the
14 Board has with the conclusions of such study, in-
15 cluding recommended changes or clarifications to
16 such conclusions the Board determines appropriate;
17 and

18 (3) changes to the policies, programs, and plans
19 of the Department of Defense that the Board rec-
20 ommends based on such study and the changes and
21 clarifications described in paragraph (2).

22 (d) REPORT.—Not later than 270 days after the date
23 of the enactment of this Act, the Secretary shall submit
24 to the congressional defense committees, the Committee
25 on Foreign Affairs of the House of Representatives, and

1 the Committee on Foreign Relations of the Senate a re-
2 port that contains the following:

3 (1) The study under subsection (b)(1), without
4 change.

5 (2) The assessment under subsection (c), with-
6 out change.

7 (3) Based on such study and assessment, a de-
8 scription of any changes to the policies, programs,
9 and plans of the Department of Defense that the
10 Secretary recommends to enhance deterrence in
11 space, including with respect to—

12 (A) considerations and decision on reduc-
13 ing the opportunities and incentives for adver-
14 saries to attack space systems of the United
15 States or allies of the United States;

16 (B) new architectures, including pro-
17 liferated systems, hosted payloads, non-tradi-
18 tional orbits, and reconstitution among others;

19 (C) appropriate uses of partnering with
20 both commercial entities and allies to improve
21 deterrence in space;

22 (D) necessary capabilities to enhance the
23 protection of space systems to achieve improved
24 deterrence;

1 (E) bilateral, multilateral, and unilateral
2 measures, including confidence-building meas-
3 ures, that could be taken to reduce the risk of
4 miscalculation that would lead to an attack in
5 space;

6 (F) policies and capability requirements
7 with regard to attribution of an attack in space;

8 (G) policies with regard to retaliatory
9 measures either in space or on the ground;

10 (H) authorities with regard to decisions
11 and actions to defend assets of the United
12 States in space; and

13 (I) changes to current war plans, routine
14 operations (including information sharing), and
15 demonstration and test procedures that could
16 enhance the capability of the United States to
17 signal the intentions and capabilities of the
18 United States in an effective manner.

19 (e) BRIEFING.—Not later than 270 days after the
20 date of the enactment of this Act, the Secretary shall pro-
21 vide to the congressional defense committees, the Com-
22 mittee on Foreign Affairs of the House of Representatives,
23 and the Committee on Foreign Relations of the Senate
24 a briefing on the study under subsection (b)(1) and the
25 assessment under subsection (c).

1 **Subtitle D—Nuclear Forces**
2 **SEC. 1641.[Log 69735] IMPROVEMENT TO ANNUAL REPORT**
3 **ON THE MODERNIZATION OF THE NUCLEAR**
4 **WEAPONS ENTERPRISE.**

5 (a) EXTENSION.—Section 1043(a) of the National
6 Defense Authorization Act for Fiscal Year 2012 (Public
7 Law 112–81; 125 Stat. 1576), as most recently amended
8 by section 1670 of the John S. McCain National Defense
9 Authorization Act for Fiscal Year 2019 (Public Law 115–
10 232; 132 Stat. 2157), is further amended in paragraph
11 (1) by striking “2023” and inserting “2024”.

12 (b) ACQUISITION COSTS.—Paragraph (2) of such sec-
13 tion is amended—

14 (1) by redesignating subparagraph (G) as sub-
15 paragraph (I); and

16 (2) by inserting after subparagraph (F) the fol-
17 lowing new subparagraphs:

18 “(G) For the 10-year period following the
19 date of the report, an estimate of the relative
20 percentage of acquisition costs of the military
21 departments, and of the entire Department of
22 Defense, represented by the costs to the De-
23 partment of Defense to modernize and recapi-
24 talize the nuclear weapons enterprise.

1 “(H) A plan covering the 25-year period
2 following the date of the report that—

3 “(i) covers the research and develop-
4 ment and production relating to nuclear
5 weapons that are being modernized or sus-
6 tained, including with respect to—

7 “(I) associated delivery systems
8 or platforms that carry nuclear weap-
9 ons;

10 “(II) nuclear command and con-
11 trol systems; and

12 “(III) facilities, infrastructure,
13 and critical skills; and

14 “(ii) includes estimated timelines for
15 such research and development and pro-
16 duction, and the estimated acquisition and
17 life cycle costs, including estimated cost
18 ranges if necessary, to modernize or re-
19 capitalize each system.”.

20 (c) TRANSFER OF PROVISION.—

21 (1) CODIFICATION.—Such section 1043, as
22 amended by subsections (a) and (b), is—

23 (A) transferred to chapter 24 of title 10,
24 United States Code;

25 (B) inserted after section 492;

1 (C) redesignated as section 492a; and

2 (D) amended—

3 (i) in the enumerator, by striking

4 “SEC.” and inserting “§”; and

5 (ii) in the section heading—

6 (I) by striking the period at the

7 end; and

8 (II) by conforming the typeface

9 and typestyle, including capitalization,

10 to the typeface and typestyle as used

11 in the section heading of section 491

12 of such title.

13 (2) CLERICAL AMENDMENT.—The table of sec-

14 tions at the beginning of chapter 24 of title 10,

15 United States Code, is amended by inserting after

16 the item relating to section 492 the following new

17 item:

“492a. Annual report on the plan for the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery systems, and nuclear weapons command and control system.”.

1 **SEC. 1647.[Log 70188] MILITARY-TO-MILITARY DIALOGUE**
2 **TO REDUCE THE RISK OF MISCALCULATION**
3 **LEADING TO NUCLEAR WAR.**

4 (a) FINDING.—Congress finds that President Ronald
5 Reagan stated in 1984 that “In our approach to negotia-
6 tions, reducing the risk of war, and especially nuclear war,
7 is priority number one. A nuclear conflict could well be
8 man kind’s last.”.

9 (b) MILITARY-TO-MILITARY DIALOGUE.—

10 (1) ESTABLISHMENT.—Not later than 60 days
11 after the date of the enactment of this Act, the Sec-
12 retary of Defense, with the concurrence of the Sec-
13 retary of State, shall establish a senior working
14 group, and may establish a military crisis manage-
15 ment group within each of the United States Euro-
16 pean Command and the United States Pacific Com-
17 mand and, as appropriate, United States Forces
18 Korea, to engage in military-to-military discussions
19 with counterparts from governments of covered for-
20 eign countries to reduce the risk of miscalculation,
21 unintended consequences, or accidents that could
22 precipitate a nuclear war.

23 (2) DUTIES.—The senior working group estab-
24 lished under paragraph (1) shall identify concrete,
25 practical, near-term initiatives designed to reduce

1 the risk of miscalculation, unintended consequences,
2 or accidents that could precipitate a nuclear war.

3 (3) COVERED FOREIGN COUNTRY.—In this sub-
4 section, the term “covered foreign country” means—

5 (A) Russia;

6 (B) China; and

7 (C) if determined appropriate by the Sec-
8 retary of Defense, North Korea.

9 (c) REPORTS.—Not later than 150 days after the
10 date on which the Secretary establishes the senior working
11 group under subsection (b), and not later than March 21
12 of each year thereafter through 2024, the Secretary shall
13 submit to the congressional defense committees, the Com-
14 mittee on Foreign Affairs of the House of Representatives,
15 and the Committee on Foreign Relations of the Senate
16 a report on—

17 (1) the military-to-military discussions engaged
18 by the senior working group under paragraph (1) of
19 such subsection; and

20 (2) recommendations for initiatives specified in
21 paragraph (2) of such subsection.

22 (d) RULE OF CONSTRUCTION.—Nothing in this sec-
23 tion may be construed to diminish or otherwise affect
24 other channels of communications between the United
25 States and covered foreign countries specified in sub-

- 1 section (b)(3) that are intended to reduce the risk of mis-
- 2 calculation, unintended consequences, or accidents.

1 **SEC. 1649.[Log 69737] INDEPENDENT STUDY ON POLICY OF**
2 **NO-FIRST-USE OF NUCLEAR WEAPONS.**

3 (a) STUDY.—Not later than 30 days after the date
4 of the enactment of this Act, the Secretary of Defense
5 shall seek to enter into a contract with a federally funded
6 research and development center to conduct a study on
7 the United States adopting a policy to not use nuclear
8 weapons first.

9 (b) MATTERS INCLUDED.—The study under sub-
10 section (a) shall include the following:

11 (1) An assessment of the benefits of a policy to
12 not use nuclear weapons first in reducing the risk of
13 miscalculation in a crisis.

14 (2) An assessment of the likely reactions of the
15 allies of the United States with respect to the United
16 States adopting such a policy and how any negative
17 reactions could be mitigated, including the value of
18 engaging such allies to offer credible extended deter-
19 rence assurances.

20 (3) An assessment of which foreign countries
21 have stated or adopted such a policy.

22 (4) An assessment of how adversaries of the
23 United States might view such a policy.

24 (5) An assessment of the benefits and risks of
25 such a policy with respect to nuclear nonprolifera-
26 tion.

1 (6) An assessment of changes in force posture
2 and force requirements, if any, and costs or savings,
3 that such a policy would entail.

4 (7) Any other matters the Secretary determines
5 appropriate.

6 (c) SUBMISSION TO DOD.—Not later than 210 days
7 after the date of the enactment of this Act, the federally
8 funded research and development center shall submit to
9 the Secretary the study under subsection (a).

10 (d) SUBMISSION TO CONGRESS.—Not later than 240
11 days after the date of the enactment of this Act, the Sec-
12 retary shall submit to the congressional defense commit-
13 tees, the Committee on Foreign Affairs of the House of
14 Representatives, and the Committee on Foreign Relations
15 of the Senate the study under subsection (a), without
16 change.

17 (e) FORM.—The study under subsection (a) shall be
18 submitted under subsections (c) and (d) in unclassified
19 form, but may include a classified annex.

1 **SEC. 1650.[Log 69450] INDEPENDENT STUDY ON EXTENSION**
2 **OF MINUTEMAN III INTERCONTINENTAL BAL-**
3 **LISTIC MISSILES.**

4 (a) INDEPENDENT STUDY.—Not later than 30 days
5 after the date of the enactment of this Act, the Secretary
6 of Defense shall seek to enter into a contract with a feder-
7 ally funded research and development center to conduct
8 a study on extending the life of Minuteman III interconti-
9 nental ballistic missiles to 2050.

10 (b) MATTERS INCLUDED.—The study under sub-
11 section (a) shall include the following:

12 (1) A comparison of the costs through 2050
13 of—

14 (A) extending the life of Minuteman III
15 intercontinental ballistic missiles; and

16 (B) delaying the ground-based strategic
17 deterrent program.

18 (2) An analysis of opportunities to incorporate
19 technologies into the Minuteman III intercontinental
20 ballistic missile program as part of a service life ex-
21 tension program that could also be incorporated in
22 the future ground-based strategic deterrent pro-
23 gram, including, at a minimum, opportunities to in-
24 crease the resilience against adversary missile de-
25 fenses.

1 (3) An analysis of the benefits and risks of in-
2 corporating sensors and nondestructive testing meth-
3 ods and technologies to reduce destructive testing re-
4 quirements and increase the service life and number
5 of Minuteman III missiles through 2050.

6 (4) An analysis and validation of the methods
7 used to estimate the operational service life of Min-
8 uteman II and Minuteman III motors, taking into
9 account the test and launch experience of motors re-
10 tired after the operational service life of such motors
11 in the rocket systems launch program.

12 (5) An analysis of the risks and benefits of al-
13 ternative methods of estimating the operational serv-
14 ice life of Minuteman III motors, such as those
15 methods based on fundamental physical and chem-
16 ical processes and nondestructive measurements of
17 individual motor properties.

18 (c) SUBMISSION TO DOD.—Not later than 180 days
19 after the date of the enactment of this Act, the federally
20 funded research and development center shall submit to
21 the Secretary a report containing the study conducted
22 under subsection (a).

23 (d) SUBMISSION TO CONGRESS.—Not later than 210
24 days after the date of the enactment of this Act, the Sec-

1 retary shall submit to the congressional defense commit-
2 tees the study under subsection (a), without change.

3 (e) FORM.—The study under subsection (a) shall be
4 in unclassified form, but may include a classified annex.

1 **SEC. 1664.[Log 69398] TESTS USING STANDARD MISSILE 3**
2 **BLOCK IIA MISSILE INTERCEPTOR.**

3 (a) MODIFICATION OF TEST REQUIREMENT.—Sub-
4 section (c) of section 1680 of the National Defense Au-
5 thorization Act for Fiscal Year 2018 (Public Law 115–
6 91; 131 Stat. 1776) is amended—

7 (1) in the matter preceding paragraph (1), by
8 striking “shall”;

9 (2) in paragraph (1)—

10 (A) by striking “not later than December
11 31, 2020,” and inserting “may not”; and

12 (B) by inserting before the semicolon
13 “until the completion of operationally realistic
14 testing against the medium- to intermediate-
15 range threats for which such interceptors were
16 designed”; and

17 (3) in paragraph (2), by inserting “shall” be-
18 fore “as part of”.

19 (b) LIMITATION.—Such section is further amended—

20 (1) by redesignating subsection (d) as sub-
21 section (e); and

22 (2) by inserting after subsection (c) the fol-
23 lowing new subsection (d):

24 “(d) LIMITATION.—None of the funds authorized to
25 be appropriated by the National Defense Authorization
26 Act for Fiscal Year 2020 or otherwise made available for

1 fiscal year 2020 for the Department of Defense may be
2 obligated or expended to plan or carry out a test to evalu-
3 ate and demonstrate the capability to defeat a simple
4 intercontinental ballistic missile threat using the standard
5 missile 3 block IIA missile interceptor until the date on
6 which the Director of Operational Test and Evaluation
7 certifies to the congressional defense committees that such
8 missile interceptor has been tested sufficiently to dem-
9 onstrate that such missile interceptor is operationally ef-
10 fective and suitable against medium- to intermediate-
11 range threats.”.

1 **SEC. 1665.[Log 69329] LIMITATION ON AVAILABILITY OF**
2 **FUNDS FOR DEVELOPMENT OF SPACE-BASED**
3 **BALLISTIC MISSILE INTERCEPT LAYER.**

4 Subsection (c) of section 1688 of the National De-
5 fense Authorization Act for Fiscal Year 2018 (Public Law
6 115–91; 10 U.S.C. 2431 note) is amended to read as fol-
7 lows:

8 “(c) **LIMITATION.**—None of the funds authorized to
9 be appropriated by the National Defense Authorization
10 Act for Fiscal Year 2020 or otherwise made available for
11 fiscal year 2020 for the Missile Defense Agency may be
12 obligated or expended to develop a space-based ballistic
13 missile intercept layer to the ballistic missile defense sys-
14 tem with capability that is only able to be deployed in
15 space.”.

1 **SEC. 1682.**[Log 69889] **REPEAL OF REVIEW REQUIREMENT**
2 **FOR AMMONIUM PERCHLORATE REPORT.**

3 Section 1694(d) of the National Defense Authoriza-
4 tion Act for Fiscal Year 2018 (Public Law 115–91; 131
5 Stat. 1792) is repealed.

1 **SEC. 2002 [Log 69371]. EXPIRATION OF AUTHORIZATIONS**
2 **AND AMOUNTS REQUIRED TO BE SPECIFIED**
3 **BY LAW.**

4 (a) EXPIRATION OF AUTHORIZATIONS AFTER FIVE
5 YEARS.—Except as provided in subsection (b), all author-
6 izations contained in titles XXI through XXVII and title
7 XXIX for military construction projects, land acquisition,
8 family housing projects and facilities, and contributions to
9 the North Atlantic Treaty Organization Security Invest-
10 ment Program (and authorizations of appropriations
11 therefor) shall expire on the later of—

12 (1) October 1, 2024; or

13 (2) the date of the enactment of an Act author-
14 izing funds for military construction for fiscal year
15 2025.

16 (b) EXCEPTION.—Subsection (a) shall not apply to
17 authorizations for military construction projects, land ac-
18 quisition, family housing projects and facilities, and con-
19 tributions to the North Atlantic Treaty Organization Se-
20 curity Investment Program (and authorizations of appro-
21 priations therefor), for which appropriated funds have
22 been obligated before the later of—

23 (1) October 1, 2024; or

24 (2) the date of the enactment of an Act author-
25 izing funds for fiscal year 2025 for military con-
26 struction projects, land acquisition, family housing

- 1 projects and facilities, or contributions to the North
- 2 Atlantic Treaty Organization Security Investment
- 3 Program.

1 **SEC. 2003 [Log 69372]. EFFECTIVE DATE.**

2 Titles XXI through XXVII and title XXIX shall take
3 effect on the later of—

4 (1) October 1, 2019; or

5 (2) the date of the enactment of this Act.

1 **Subtitle A—Military Construction**
2 **Program Changes**

3 **SEC. 2801 [Log 69243]. PROHIBITION ON USE OF MILITARY**
4 **CONSTRUCTION FUNDS FOR CONSTRUCTION**
5 **OF A WALL, FENCE, OR OTHER PHYSICAL**
6 **BARRIER ALONG THE SOUTHERN BORDER OF**
7 **THE UNITED STATES.**

8 (a) PROHIBITION.—Military construction funds may
9 not be obligated, expended, or otherwise used to design
10 or carry out a project to construct, replace, or modify a
11 wall, fence, or other physical barrier along the inter-
12 national border between the United States and Mexico.

13 (b) DEFINITIONS.—In this section:

14 (1) MILITARY CONSTRUCTION FUNDS.—The
15 term “military construction funds” means—

16 (A) amounts authorized to be appropriated
17 for a military construction project authorized in
18 this division or authorized in any Military Con-
19 struction Authorization Act for any of fiscal
20 years 2015 through 2019, including any
21 amounts of such an authorization made avail-
22 able to the Department of Defense and trans-
23 ferred to another authorization by the Secretary
24 of Defense pursuant to transfer authority avail-
25 able to the Secretary; and

1 (B) funds appropriated in any Act for a
2 military construction project described in sub-
3 paragraph (A).

4 (2) MILITARY CONSTRUCTION PROJECT.—The
5 term “military construction project” has the mean-
6 ing given that term in section 2801 of title 10,
7 United States Code.

1 **SEC. 2802 [Log 69242]. MODIFICATION AND CLARIFICATION**
2 **OF CONSTRUCTION AUTHORITY IN THE**
3 **EVENT OF A DECLARATION OF WAR OR NA-**
4 **TIONAL EMERGENCY.**

5 (a) LIMITATION ON AMOUNT OF FUNDS AVAILABLE
6 FOR NATIONAL EMERGENCY.—Section 2808 of title 10,
7 United States Code, is amended—

8 (1) by redesignating subsections (b) and (c) as
9 subsections (e) and (f), respectively; and

10 (2) by inserting after subsection (a) the fol-
11 lowing new subsection:

12 “(c) LIMITATION ON AMOUNT OF FUNDS AVAILABLE
13 FOR NATIONAL EMERGENCY.—(1) Except as provided in
14 paragraph (2), in the event of a declaration by the Presi-
15 dent of a national emergency in which the construction
16 authority described in subsection (a) is used, the total cost
17 of all military construction projects undertaken using that
18 authority during the national emergency may not exceed
19 \$500,000,000.

20 “(2) In the event of a national emergency declaration
21 in which the construction authority described in subsection
22 (a) will be used only within the United States, the total
23 cost of all military construction projects undertaken using
24 that authority during the national emergency may not ex-
25 ceed \$100,000,000.”.

1 (b) ADDITIONAL CONDITION ON SOURCE OF
2 FUNDS.—Section 2808(a) of title 10, United States Code,
3 is amended—

4 (1) in the second sentence—

5 (A) by striking “Such projects may” and
6 inserting the following:

7 “(b) CONDITIONS ON SOURCE OF FUNDS.—(1) Mili-
8 tary construction projects to be undertaken using the con-
9 struction authority described in subsection (a) may”; and

10 (B) by inserting before the period at the
11 end of the sentence the following: “and that the
12 Secretary of Defense determines are otherwise
13 unexecutable”; and

14 (2) by adding after the second sentence the fol-
15 lowing:

16 “(2) For purposes of paragraph (1), the Secretary
17 may determine that funds appropriated for military con-
18 struction are unexecutable if—

19 “(A) a military construction project for which
20 the funds were appropriated has been cancelled, for
21 a reason other than to provide funds to carry out
22 military construction under this section; or

23 “(B) the cost of a military construction project
24 for which the funds were appropriated has been re-
25 duced because of project modifications or other cost

1 savings, for a reason other than to provide funds to
2 carry out military construction under this section.”.

3 (c) WAIVER OF OTHER PROVISIONS OF LAW.—Sec-
4 tion 2808 of title 10, United States Code, is amended by
5 inserting after subsection (c), as added by subsection (a),
6 the following new subsection:

7 “(d) WAIVER OF OTHER PROVISIONS OF LAW IN
8 EVENT OF NATIONAL EMERGENCY.—In the event of a
9 declaration by the President of a national emergency in
10 which the construction authority described in subsection
11 (a) is used, the authority provided by such subsection to
12 waive or disregard another provision of law that would
13 otherwise apply to a military construction project author-
14 ized by this section may be used only if—

15 “(1) such other provision of law does not pro-
16 vide a means by which compliance with the require-
17 ments of the law may be waived, modified, or expe-
18 dited; and

19 “(2) the Secretary of Defense determines that
20 the nature of the national emergency necessitates
21 the noncompliance with the requirements of the
22 law.”.

23 (d) ADDITIONAL NOTIFICATION REQUIREMENTS.—
24 Subsection (e) of section 2808 of title 10, United States
25 Code, as redesignated by subsection (a)(1), is amended—

1 (1) by striking “of the decision” and all that
2 follows through the end of the subsection and insert-
3 ing the following: “of the following:

4 “(A) The reasons for the decision to use the
5 construction authority described in subsection (a),
6 including, in the event of a declaration by the Presi-
7 dent of a national emergency, the reasons why use
8 of the armed forces is required in response to the
9 declared national emergency.

10 “(B) The construction projects to be under-
11 taken using the construction authority described in
12 subsection (a), including, in the event of a declara-
13 tion by the President of a national emergency, an
14 explanation of how each construction project directly
15 supports the immediate security, logistical, or short-
16 term housing and ancillary supporting facility needs
17 of the members of the armed forces used in the na-
18 tional emergency.

19 “(C) The estimated cost of the construction
20 projects to be undertaken using the construction au-
21 thority described in subsection (a), including the
22 cost of any real estate action pertaining to the con-
23 struction projects, and certification of compliance
24 with the funding conditions imposed by subsections
25 (b) and (c).

1 “(D) Any determination made pursuant to sub-
2 section (d)(2) to waive or disregard another provi-
3 sion of law to undertake any construction project
4 using the construction authority described in sub-
5 section (a).

6 “(E) The military construction projects, includ-
7 ing any military family housing and ancillary sup-
8 porting facility projects, to be canceled or deferred
9 in order to provide funds to undertake construction
10 projects using the construction authority described
11 in subsection (a) and the possible impact of the can-
12 cellation or deferment of such military construction
13 projects on military readiness and the quality of life
14 of members of the armed forces and their depend-
15 ents.”; and

16 (2) by adding at the end the following new
17 paragraph:

18 “(2) In the event of a declaration by the President
19 of a national emergency in which the construction author-
20 ity described in subsection (a) is used, a construction
21 project to be undertaken using such construction authority
22 may be carried out only after the end of the five-day pe-
23 riod beginning on the date the notification required by
24 paragraph (1) is received by the appropriate committees
25 of Congress.”.

1 (e) CLERICAL AMENDMENTS.—Section 2808 of title
2 10, United States Code, is further amended—

3 (1) in subsection (a), by inserting “CONSTRUC-
4 TION AUTHORIZED.—” after “(a)”;

5 (2) in subsection (e), as redesignated by sub-
6 section (a)(1), by inserting “NOTIFICATION RE-
7 QUIREMENT.—(1)” after “(e)”; and

8 (3) in subsection (f), as redesignated by sub-
9 section (a)(1), by inserting “TERMINATION OF AU-
10 THORITY.—” after “(f)”.

1 **SEC. 2804 [Log 69691]. IMPROVED CONSULTATION WITH**
2 **TRIBAL GOVERNMENTS WHEN PROPOSED**
3 **MILITARY CONSTRUCTION PROJECTS POTEN-**
4 **TIALLY IMPACT INDIAN TRIBES.**

5 Section 2802 of title 10, United States Code, is
6 amended by adding at the end the following new sub-
7 section:

8 “(f)(1) If a proposed military construction project
9 has the potential to adversely impact tribal lands, other
10 lands culturally connected to an Indian tribe, or tribal
11 treaty rights, as reasonably anticipated by the Secretary
12 concerned, the Secretary concerned shall initiate consulta-
13 tion with the tribal government of each impacted Indian
14 tribe—

15 “(A) to determine the nature, extent, and esti-
16 mated costs of the adverse impacts;

17 “(B) to determine whether the adverse impacts
18 can be avoided or mitigated in the design and imple-
19 mentation of the project; and

20 “(C) if the adverse impacts cannot be avoided,
21 to develop feasible measures to mitigate the impacts
22 and estimate the cost of the mitigation measures.

23 “(2) As part of the Department of Defense Form
24 1391 submitted to the appropriate committees of Congress
25 for a military construction project covered by paragraph
26 (1), the Secretary concerned shall include a description of

1 the current status of the consultation conducted under
2 such paragraph and specifically address each of the items
3 specified in subparagraphs (A), (B), and (C) of such para-
4 graph.

5 “(3) In this subsection:

6 “(A) The term ‘Indian tribe’ has the meaning
7 given that term in section 4 of the Indian Self-De-
8 termination and Education Assistance Act (25
9 U.S.C. 5304).

10 “(B) The term ‘tribal government’ means the
11 recognized governing body of an Indian tribe.”.

1 **Subtitle F—White Sands National**
2 **Park and White Sands Missile**
3 **Range**

4 **SEC. 2861 [Log 69630]. SHORT TITLE.**

5 This subtitle may be cited as the “White Sands Na-
6 tional Park Establishment Act”.

1 **SEC. 2862 [Log 69936]. DEFINITIONS.**

2 In this subtitle:

3 (1) MAP.—The term “Map” means the map en-
4 titled “White Sands National Park Proposed Bound-
5 ary Revision & Transfer of Lands Between National
6 Park Service & Department of the Army”, numbered
7 142/136,271, and dated February 14, 2017.

8 (2) MILITARY MUNITIONS.—The term “military
9 munitions” has the meaning given the term in sec-
10 tion 101(e) of title 10, United States Code.

11 (3) MISSILE RANGE.—The term “Missile
12 Range” means the White Sands Missile Range, New
13 Mexico, administered by the Secretary of the Army.

14 (4) MONUMENT.—The term “Monument”
15 means the White Sands National Monument, New
16 Mexico, established by Presidential Proclamation
17 No. 2025 (54 U.S.C. 320301 note), dated January
18 18, 1933, and administered by the Secretary of the
19 Interior.

20 (5) MUNITIONS DEBRIS.—The term “munitions
21 debris” has the meaning given the term in volume
22 8 of the Department of Defense Manual Number
23 6055.09–M entitled “DoD Ammunitions and Explo-
24 sives Safety Standards” and dated February 29,
25 2008 (as in effect on the date of enactment of this
26 Act).

1 (6) NATIONAL PARK.—The term “National
2 Park” means the White Sands National Park estab-
3 lished by this subtitle.

4 (7) PUBLIC LAND ORDER.—The term “Public
5 Land Order” means Public Land Order 833, dated
6 May 21, 1952 (17 Fed. Reg. 4822).

1 **SEC. 2863 [Log 69937]. FINDINGS.**

2 Congress finds the following:

3 (1) White Sands National Monument was es-
4 tablished on January 18, 1933, by President Her-
5 bert Hoover pursuant to the Antiquities Act of 1906
6 (now chapter 3203 of title 54, United States Code).

7 (2) President Hoover proclaimed that the
8 Monument was established “for the preservation of
9 the white sands and additional features of scenic,
10 scientific, and educational interest”.

11 (3) The Monument was expanded by Presidents
12 Roosevelt, Eisenhower, Carter, and Clinton in 1934,
13 1942, 1953, 1978, and 1996, respectively.

14 (4) The Monument contains a substantially
15 more diverse set of nationally significant historical,
16 archaeological, scientific, and natural resources than
17 were known of at the time the Monument was estab-
18 lished, including a number of recent discoveries.

19 (5) The Monument is recognized as a major
20 unit of the National Park System with extraordinary
21 values enjoyed by more visitors each year since 1995
22 than any other unit in the State of New Mexico.

23 (6) The Monument contributes significantly to
24 the local economy by attracting tourists.

25 (7) Designation of the Monument as a national
26 park would increase public recognition of the diverse

- 1 array of nationally significant resources at the
- 2 Monument and visitation to the unit.

1 **SEC. 2864 [Log 69938]. ESTABLISHMENT OF WHITE SANDS**
2 **NATIONAL PARK IN THE STATE OF NEW MEX-**
3 **ICO.**

4 (a) ESTABLISHMENT.—To protect, preserve, and re-
5 store its scenic, scientific, educational, natural, geological,
6 historical, cultural, archaeological, paleontological,
7 hydrological, fish, wildlife, and recreational values and to
8 enhance visitor experiences, there is established the White
9 Sands National Park as a unit of the National Park Sys-
10 tem.

11 (b) ABOLISHMENT OF WHITE SANDS NATIONAL
12 MONUMENT.—

13 (1) ABOLISHMENT.—Due to the establishment
14 of the National Park, the Monument is abolished.

15 (2) INCORPORATION.—The land and interests
16 in land that comprise the Monument are incor-
17 porated in, and shall be considered to be part of, the
18 National Park.

19 (c) REFERENCES.—Any reference in a law, map, reg-
20 ulation, document, paper, or other record of the United
21 States to White Sands National Monument shall be con-
22 sidered to be a reference to White Sands National Park.

23 (d) AVAILABILITY OF FUNDS.—Any funds available
24 for the Monument shall be available for the National Park.

25 (e) ADMINISTRATION.—The Secretary of the Interior
26 shall administer the National Park in accordance with—

1 (1) this subtitle; and

2 (2) the laws generally applicable to units of the
3 National Park System, including section 100101(a),
4 chapter 1003, sections 100751(a), 100752, 100753,
5 and 102101, and chapter 3201 of title 54, United
6 States Code.

7 (f) EFFECT.—Nothing in this section affects—

8 (1) valid existing rights (including water
9 rights);

10 (2) permits or contracts issued by the Monu-
11 ment;

12 (3) existing agreements, including agreements
13 with the Department of Defense;

14 (4) the jurisdiction of the Department of De-
15 fense regarding the restricted airspace above the Na-
16 tional Park; or

17 (5) the airshed classification of the National
18 Park under the Clean Air Act (42 U.S.C. 7401 et
19 seq.).

1 **SEC. 2865 [Log 69939]. TRANSFERS OF ADMINISTRATIVE JU-**
2 **RISDICTION RELATED TO THE NATIONAL**
3 **PARK AND WHITE SANDS MISSILE RANGE.**

4 (a) TRANSFER OF ADMINISTRATIVE JURISDICTION
5 TO THE SECRETARY OF THE INTERIOR.—

6 (1) IN GENERAL.—Administrative jurisdiction
7 over the land described in paragraph (2) is trans-
8 ferred from the Secretary of the Army to the Sec-
9 retary of the Interior.

10 (2) DESCRIPTION OF LAND.—The land referred
11 to in paragraph (1) consists of the following:

12 (A) The approximately 2,826 acres of land
13 identified as “To NPS, lands inside current
14 boundary” on the Map.

15 (B) The approximately 5,766 acres of land
16 identified as “To NPS, new additions” on the
17 Map.

18 (b) TRANSFER OF ADMINISTRATIVE JURISDICTION
19 TO THE SECRETARY OF THE ARMY.—

20 (1) IN GENERAL.—Administrative jurisdiction
21 over the land described in paragraph (2) is trans-
22 ferred from the Secretary of the Interior to the Sec-
23 retary of the Army.

24 (2) DESCRIPTION OF LAND.—The land referred
25 to in paragraph (1) consists of the approximately

1 3,737 acres of land identified as “To DOA” on the
2 Map.

3 (c) ADMINISTRATION.—

4 (1) NATIONAL PARK.—The Secretary of the In-
5 terior shall administer the land transferred under
6 subsection (a) in accordance with laws (including
7 regulations) applicable to the National Park.

8 (2) MISSILE RANGE.—Subject to subsection (d),
9 the Secretary of the Army shall administer the land
10 transferred to the Secretary of the Army under sub-
11 section (b) as part of the Missile Range.

12 (d) INFRASTRUCTURE; RESOURCE MANAGEMENT.—

13 (1) RANGE ROAD 7.—

14 (A) INFRASTRUCTURE MANAGEMENT.—To
15 the maximum extent practicable, in planning,
16 constructing, and managing infrastructure on
17 the land described in subparagraph (C), the
18 Secretary of the Army shall apply low-impact
19 development techniques and strategies to pre-
20 vent impacts within the Missile Range and the
21 National Park from stormwater runoff from the
22 land described in that subparagraph.

23 (B) RESOURCE MANAGEMENT.—The Sec-
24 retary of the Army shall—

1 (i) manage the land described in sub-
2 paragraph (C) in a manner consistent with
3 the protection of natural and cultural re-
4 sources within the Missile Range and the
5 National Park and in accordance with sec-
6 tion 101(a)(1)(B) of the Sikes Act (16
7 U.S.C. 670a(a)(1)(B)), division A of sub-
8 title III of title 54, United States Code,
9 and the Native American Graves Protec-
10 tion and Repatriation Act (25 U.S.C. 3001
11 et seq.); and

12 (ii) include the land described in sub-
13 paragraph (C) in the integrated natural
14 and cultural resource management plan for
15 the Missile Range.

16 (C) DESCRIPTION OF LAND.—The land re-
17 ferred to in subparagraphs (A) and (B) is the
18 land that is transferred to the administrative
19 jurisdiction of the Secretary of the Army under
20 subsection (b) and located in the area east of
21 Range Road 7 in—

22 (i) T. 17 S., R. 5 E., sec. 31;

23 (ii) T. 18 S., R. 5 E.; and

24 (iii) T. 19 S., R. 5 E., sec. 5.

25 (2) FENCE.—

1 (A) IN GENERAL.—The Secretary of the
2 Army shall continue to allow the Secretary of
3 the Interior to maintain the fence shown on the
4 Map until such time as the Secretary of the In-
5 terior determines that the fence is unnecessary
6 for the management of the National Park.

7 (B) REMOVAL.—If the Secretary of the In-
8 terior determines that the fence is unnecessary
9 for the management of the National Park under
10 subparagraph (A), the Secretary of the Interior
11 shall promptly remove the fence at the expense
12 of the Department of the Interior.

13 (e) RESEARCH.—The Secretary of the Army and the
14 Secretary of the Interior may enter into an agreement to
15 allow the Secretary of the Interior to conduct certain re-
16 search in the area identified as “Cooperative Use Research
17 Area” on the Map.

18 (f) MILITARY MUNITIONS AND MUNITIONS DE-
19 BRIS.—

20 (1) RESPONSE ACTION.—With respect to any
21 Federal liability, the Secretary of the Army shall re-
22 main responsible for any response action addressing
23 military munitions or munitions debris on the land
24 transferred under subsection (a) to the same extent

1 as on the day before the date of enactment of this
2 Act.

3 (2) INVESTIGATION OF MILITARY MUNITIONS
4 AND MUNITIONS DEBRIS.—

5 (A) IN GENERAL.—The Secretary of the
6 Interior may request that the Secretary of the
7 Army conduct one or more investigations of
8 military munitions or munitions debris on any
9 land transferred under subsection (a).

10 (B) ACCESS.—The Secretary of the Inte-
11 rior shall give access to the Secretary of the
12 Army to the land covered by a request under
13 subparagraph (A) for the purposes of con-
14 ducting an investigation under that subpara-
15 graph.

16 (C) LIMITATION.—An investigation con-
17 ducted under this paragraph shall be subject to
18 available appropriations.

19 (3) APPLICABLE LAW.—Any activities under-
20 taken under this subsection shall be carried out in
21 accordance with—

22 (A) the Comprehensive Environmental Re-
23 sponse, Compensation, and Liability Act of
24 1980 (42 U.S.C. 9601 et seq.);

- 1 (B) the purposes for which the National
- 2 Park was established; and
- 3 (C) any other applicable law.

1 **SEC. 2866 [Log 69940]. BOUNDARY MODIFICATIONS RE-**
2 **LATED TO THE NATIONAL PARK AND MISSILE**
3 **RANGE.**

4 (a) NATIONAL PARK.—

5 (1) IN GENERAL.—The boundary of the Na-
6 tional Park is revised to reflect the boundary de-
7 picted on the Map.

8 (2) MAP.—

9 (A) IN GENERAL.—The Secretary of the
10 Interior, in coordination with the Secretary of
11 the Army, shall prepare and keep on file for
12 public inspection in the appropriate office of the
13 Secretary of the Interior a map and a legal de-
14 scription of the revised boundary of the Na-
15 tional Park.

16 (B) EFFECT.—The map and legal descrip-
17 tion under subparagraph (A) shall have the
18 same force and effect as if included in this Act,
19 except that the Secretary of the Interior may
20 correct clerical and typographical errors in the
21 map and legal description.

22 (3) BOUNDARY SURVEY.—As soon as prac-
23 ticable after the date of the establishment of the Na-
24 tional Park and subject to the availability of funds,
25 the Secretary of the Interior shall complete an offi-
26 cial boundary survey of the National Park.

1 (b) MISSILE RANGE.—

2 (1) IN GENERAL.—The boundary of the Missile
3 Range and the Public Land Order are modified to
4 exclude the land transferred to the Secretary of the
5 Interior under subsection (a) of section 2865 and to
6 include the land transferred to the Secretary of the
7 Army under subsection (b) of such section.

8 (2) MAP.—The Secretary of the Interior shall
9 prepare a map and legal description depicting the re-
10 vised boundary of the Missile Range.

11 (c) CONFORMING AMENDMENT.—Section 2854 of the
12 National Defense Authorization Act for Fiscal Year 1997
13 (Public Law 104–201; 54 U.S.C. 320301 note), relating
14 to the modification of boundaries of the Monument and
15 the Missile Range, is repealed.

1 **Subtitle A—National Security**
2 **Programs and Authorizations**

3 **SEC. 3101.**[Log 70052] **NATIONAL NUCLEAR SECURITY AD-**
4 **MINISTRATION.**

5 Funds are hereby authorized to be appropriated to
6 the Department of Energy for fiscal year 2020 for the
7 activities of the National Nuclear Security Administration
8 in carrying out programs as specified in the funding table
9 in section 4701.

1 **SEC. 3102.[Log 70054] DEFENSE ENVIRONMENTAL CLEAN-**
2 **UP.**

3 Funds are hereby authorized to be appropriated to
4 the Department of Energy for fiscal year 2020 for defense
5 environmental cleanup activities in carrying out programs
6 as specified in the funding table in section 4701.

1 **SEC. 3103.[Log 70055] OTHER DEFENSE ACTIVITIES.**

2 Funds are hereby authorized to be appropriated to
3 the Department of Energy for fiscal year 2020 for other
4 defense activities in carrying out programs as specified in
5 the funding table in section 4701.

1 **SEC. 3104.[Log 70056] NUCLEAR ENERGY.**

2 Funds are hereby authorized to be appropriated to
3 the Department of Energy for fiscal year 2020 for nuclear
4 energy as specified in the funding table in section 4701.

1 **SEC. 3113.[Log 69459] CLARIFICATION OF CERTAIN STOCK-**
2 **PILE RESPONSIVENESS PROGRAM OBJEC-**
3 **TIVES.**

4 Section 4220(e) of the Atomic Energy Defense Act
5 (50 U.S.C. 2538b(c)) is amended—

6 (1) in paragraph (3), by striking “capabilities
7 required, including prototypes” and inserting “capa-
8 bilities as required, such as through the use of pro-
9 totypes”; and

10 (2) in paragraph (6)—

11 (A) by striking “in consultation with the
12 Director of National Intelligence” and inserting
13 “in coordination with the Director of National
14 Intelligence”; and

15 (B) by inserting “if needed to meet intel-
16 ligence requirements” after “foreign countries”.

1 **SEC. 3118.[Log 69753] REPLACEMENT OF W78 WARHEAD.**

2 (a) ANALYSIS OF ALTERNATIVES.—

3 (1) IN GENERAL.—The Administrator for Nu-
4 clear Security shall conduct an analysis of alter-
5 natives with respect to replacing the W78 warhead.
6 Such analysis shall describe the technical risks and
7 costs for each option to replace the W78 warhead.

8 (2) REVIEW.—The Director for Cost Esti-
9 mating and Program Evaluation of the National Nu-
10 clear Security Administration shall review the anal-
11 ysis of alternatives under paragraph (1).

12 (3) REPORT.—Not later than 150 days after
13 the date of the enactment of this Act, the Adminis-
14 trator shall submit to the congressional defense com-
15 mittees a report on the replacement of the W78 war-
16 head. Such report shall include the analysis of alter-
17 natives under paragraph (1) and the review under
18 paragraph (2).

19 (b) LIMITATION.—Of the funds authorized to be ap-
20 propriated by this Act or otherwise made available for fis-
21 cal year 2020 for the National Nuclear Security Adminis-
22 tration for the modernization of the W78 warhead, not
23 more than 75 percent may be obligated or expended until
24 the date on which the report is submitted under subsection
25 (a)(3).

26 (c) INDEPENDENT STUDY.—

1 (1) IN GENERAL.—The Administrator shall
2 seek to enter into an arrangement with the private
3 scientific advisory group known as JASON to con-
4 duct a study of the plan of the Administrator to re-
5 place the W78 warhead. Such study shall include—

6 (A) an assessment of the risks to certifi-
7 cation; and

8 (B) the need for planned upgrades to such
9 warhead.

10 (2) SUBMISSION.—Not later than 150 days
11 after the date of the enactment of this Act, the Ad-
12 ministrator shall submit to the congressional defense
13 committees the study under paragraph (1), without
14 change.

1 **SEC. 4001 [Log 69423]. AUTHORIZATION OF AMOUNTS IN**
2 **FUNDING TABLES.**

3 (a) IN GENERAL.—Whenever a funding table in this
4 division specifies a dollar amount authorized for a project,
5 program, or activity, the obligation and expenditure of the
6 specified dollar amount for the project, program, or activ-
7 ity is hereby authorized, subject to the availability of ap-
8 propriations.

9 (b) MERIT-BASED DECISIONS.—A decision to com-
10 mit, obligate, or expend funds with or to a specific entity
11 on the basis of a dollar amount authorized pursuant to
12 subsection (a) shall—

13 (1) be based on merit-based selection proce-
14 dures in accordance with the requirements of sec-
15 tions 2304(k) and 2374 of title 10, United States
16 Code, or on competitive procedures; and

17 (2) comply with other applicable provisions of
18 law.

19 (c) RELATIONSHIP TO TRANSFER AND PROGRAM-
20 MING AUTHORITY.—An amount specified in the funding
21 tables in this division may be transferred or repro-
22 grammed under a transfer or reprogramming authority
23 provided by another provision of this Act or by other law.
24 The transfer or reprogramming of an amount specified in

1 such funding tables shall not count against a ceiling on
2 such transfers or reprogrammings under section 1001 or
3 section 1512 of this Act or any other provision of law,
4 unless such transfer or reprogramming would move funds
5 between appropriation accounts.

6 (d) APPLICABILITY TO CLASSIFIED ANNEX.—This
7 section applies to any classified annex that accompanies
8 this Act.

9 (e) ORAL AND WRITTEN COMMUNICATIONS.—No
10 oral or written communication concerning any amount
11 specified in the funding tables in this division shall super-
12 sede the requirements of this section.

1 **TITLE XLI—PROCUREMENT**

2 **SEC. 4101. PROCUREMENT.**

SEC. 4101. PROCUREMENT <i>(In Thousands of Dollars)</i>			
Line	Item	FY 2020 Request	House Authorized
AIRCRAFT PROCUREMENT, ARMY			
FIXED WING			
002	UTILITY F/W AIRCRAFT	16,000	0
	<i>Early to need</i>		[-16,000]
004	RQ-11 (RAVEN)	23,510	21,510
	<i>Unit cost growth</i>		[-2,000]
ROTARY			
005	TACTICAL UNMANNED AIRCRAFT SYSTEM (TUAS)	12,100	12,100
007	HELICOPTER, LIGHT UTILITY (LUH)		11,000
	<i>Program increase for sustainment improvements</i>		[11,000]
008	AH-64 APACHE BLOCK IIIA REMAN	806,849	786,009
	<i>Unjustified cost growth</i>		[-20,840]
009	AH-64 APACHE BLOCK IIIA REMAN	190,870	174,970
	<i>Unjustified cost growth</i>		[-15,900]
012	UH-60 BLACKHAWK M MODEL (MYP)	1,411,540	1,411,540
013	UH-60 BLACKHAWK M MODEL (MYP)	79,572	79,572
014	UH-60 BLACK HAWK L AND V MODELS	169,290	169,290
015	CH-47 HELICOPTER	140,290	131,290
	<i>Unit cost growth</i>		[-9,000]
016	CH-47 HELICOPTER	18,186	46,186
	<i>Advanced procurement for CH-47F Block II</i>		[28,000]
MODIFICATION OF AIRCRAFT			
019	UNIVERSAL GROUND CONTROL EQUIPMENT (UAS)	2,090	2,090
020	GRAY EAGLE MODS2	14,699	14,699
021	MULTI SENSOR ABN RECON (MIP)	35,189	35,189
022	AH-64 MODS	58,172	58,172
023	CH-47 CARGO HELICOPTER MODS (MYP)	11,785	6,785
	<i>Unobligated balances</i>		[-5,000]
024	GRCS SEMA MODS (MIP)	5,677	5,677
025	ARL SEMA MODS (MIP)	6,566	6,566
026	EMARSS SEMA MODS (MIP)	3,859	3,859
027	UTILITY/CARGO AIRPLANE MODS	15,476	13,476
	<i>Unit cost discrepancy</i>		[-2,000]
028	UTILITY HELICOPTER MODS	6,744	6,744
029	NETWORK AND MISSION PLAN	105,442	98,442
	<i>Cost growth</i>		[-7,000]
030	COMMS, NAV SURVEILLANCE	164,315	164,315
032	GATM ROLLUP	30,966	30,966
033	RQ-7 UAV MODS	8,983	38,983
	<i>Program increase</i>		[30,000]
034	UAS MODS	10,205	10,205
GROUND SUPPORT AVIONICS			
035	AIRCRAFT SURVIVABILITY EQUIPMENT	52,297	52,297
036	SURVIVABILITY CM	8,388	8,388
037	CMWS	13,999	13,999
038	COMMON INFRARED COUNTERMEASURES (CIRCM)	168,784	168,784
OTHER SUPPORT			
039	AVIONICS SUPPORT EQUIPMENT	1,777	1,777
040	COMMON GROUND EQUIPMENT	18,624	18,624
041	AIRCREW INTEGRATED SYSTEMS	48,255	48,255
042	AIR TRAFFIC CONTROL	32,738	32,738
044	LAUNCHER, 2.75 ROCKET	2,201	2,201
045	LAUNCHER GUIDED MISSILE, LONGBOW HELLFIRE XM2	991	991
	TOTAL AIRCRAFT PROCUREMENT, ARMY	3,696,429	3,687,689
MISSILE PROCUREMENT, ARMY			
SURFACE-TO-AIR MISSILE SYSTEM			
001	SYSTEM INTEGRATION AND TEST PROCUREMENT	113,857	113,857
002	M-SHORAD—PROCUREMENT	103,800	56,800
	<i>Early to need</i>		[-47,000]
003	MSE MISSILE	698,603	698,603
004	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I	9,337	9,337
AIR-TO-SURFACE MISSILE SYSTEM			
006	HELLFIRE SYS SUMMARY	193,284	173,284
	<i>Unit cost growth</i>		[-20,000]
007	JOINT AIR-TO-GROUND MSLs (JAGM)	233,353	198,353
	<i>Contract and schedule delays</i>		[-35,000]
ANTI-TANK/ASSAULT MISSILE SYS			
008	JAVELIN (AAWS-M) SYSTEM SUMMARY	138,405	138,405
009	TOW 2 SYSTEM SUMMARY	114,340	110,340
	<i>Unit cost growth</i>		[-4,000]
010	TOW 2 SYSTEM SUMMARY	10,500	10,500

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
011	GUIDED MLRS ROCKET (GMLRS)	797,213	767,213
	Program adjustment		[-30,000]
012	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)	27,555	27,555
014	ARMY TACTICAL MSL SYS (ATACMS)—SYS SUM	209,842	184,842
	Excess to need		[-25,000]
	MODIFICATIONS		
016	PATRIOT MODS	279,464	279,464
017	ATACMS MODS	85,320	80,320
	Unit cost growth		[-5,000]
018	GMLRS MOD	5,094	5,094
019	STINGER MODS	81,615	81,615
020	AVENGER MODS	14,107	14,107
021	ITAS/TOW MODS	3,469	3,469
022	MLRS MODS	39,019	39,019
023	HIMARS MODIFICATIONS	12,483	12,483
	SPARES AND REPAIR PARTS		
024	SPARES AND REPAIR PARTS	26,444	26,444
	SUPPORT EQUIPMENT & FACILITIES		
025	AIR DEFENSE TARGETS	10,593	10,593
	TOTAL MISSILE PROCUREMENT, ARMY	3,207,697	3,041,697
	PROCUREMENT OF W&TCV, ARMY		
	TRACKED COMBAT VEHICLES		
002	ARMORED MULTI PURPOSE VEHICLE (AMPV)	264,040	259,040
	Unit cost discrepancy		[-5,000]
	MODIFICATION OF TRACKED COMBAT VEHICLES		
003	STRYKER (MOD)	144,387	393,587
	Accelerate Stryker medium caliber weapon system—Army unfunded priority		[249,200]
004	STRYKER UPGRADE	550,000	550,000
005	BRADLEY PROGRAM (MOD)	638,781	573,781
	Program delay		[-65,000]
006	M109 FOV MODIFICATIONS	25,756	25,756
007	PALADIN INTEGRATED MANAGEMENT (PIM)	553,425	553,425
009	ASSAULT BRIDGE (MOD)	2,821	2,821
010	ASSAULT BREACHER VEHICLE	31,697	31,697
011	M88 FOV MODS	4,500	4,500
012	JOINT ASSAULT BRIDGE	205,517	205,517
013	M1 ABRAMS TANK (MOD)	348,800	408,800
	Vehicle protection system for one armored brigade		[60,000]
014	ABRAMS UPGRADE PROGRAM	1,752,784	1,752,784
	WEAPONS & OTHER COMBAT VEHICLES		
016	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S	19,420	19,420
017	GUN AUTOMATIC 30MM M230	20,000	20,000
019	MORTAR SYSTEMS	14,907	14,907
020	XM320 GRENADE LAUNCHER MODULE (GLM)	191	191
021	PRECISION SNIPER RIFLE	7,977	7,977
022	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM	9,860	9,860
023	CARBINE	30,331	30,331
024	SMALL ARMS—FIRE CONTROL	8,060	60
	Late contract award		[-8,000]
025	COMMON REMOTELY OPERATED WEAPONS STATION	24,007	24,007
026	HANDGUN	6,174	6,174
	MOD OF WEAPONS AND OTHER COMBAT VEH		
028	MK-19 GRENADE MACHINE GUN MODS	3,737	3,737
029	M777 MODS	2,367	2,367
030	M4 CARBINE MODS	17,595	17,595
033	M240 MEDIUM MACHINE GUN MODS	8,000	8,000
034	SNIPER RIFLES MODIFICATIONS	2,426	2,426
035	M119 MODIFICATIONS	6,269	6,269
036	MORTAR MODIFICATION	1,693	1,693
037	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV)	4,327	4,327
	SUPPORT EQUIPMENT & FACILITIES		
038	ITEMS LESS THAN \$5.0M (WOCV-WTCV)	3,066	3,066
039	PRODUCTION BASE SUPPORT (WOCV-WTCV)	2,651	2,651
	TOTAL PROCUREMENT OF W&TCV, ARMY	4,715,566	4,946,766
	PROCUREMENT OF AMMUNITION, ARMY		
	SMALL/MEDIUM CAL AMMUNITION		
001	CTG, 5.56MM, ALL TYPES	68,949	63,949
	Prior-year carryover		[-5,000]
002	CTG, 7.62MM, ALL TYPES	114,228	111,228
	Prior-year carryover		[-3,000]
003	CTG, HANDGUN, ALL TYPES	17,807	12,807
	Program adjustment		[-5,000]
004	CTG, .50 CAL, ALL TYPES	63,966	63,966
005	CTG, 20MM, ALL TYPES	35,920	27,920
	Unit cost growth		[-8,000]
006	CTG, 25MM, ALL TYPES	8,990	8,990

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
007	CTG, 30MM, ALL TYPES	68,813	57,229
	Prior-year carry over		[-1,134]
	Program adjustment		[-10,450]
008	CTG, 40MM, ALL TYPES	103,952	103,952
	MORTAR AMMUNITION		
009	60MM MORTAR, ALL TYPES	50,580	49,580
	Unit cost discrepancy		[-1,000]
010	81MM MORTAR, ALL TYPES	59,373	44,673
	Contract delays		[-14,700]
011	120MM MORTAR, ALL TYPES	125,452	123,452
	Unit cost growth		[-2,000]
	TANK AMMUNITION		
012	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES	171,284	113,084
	Unit cost growth		[-58,200]
	ARTILLERY AMMUNITION		
013	ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES	44,675	44,675
014	ARTILLERY PROJECTILE, 155MM, ALL TYPES	266,037	266,037
015	PROJ 155MM EXTENDED RANGE M982	57,434	57,434
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL	271,602	265,602
	Cost growth and unjustified product improvements		[-6,000]
	MINES		
017	MINES & CLEARING CHARGES, ALL TYPES	55,433	39,433
	Contract delay		[-16,000]
	ROCKETS		
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	74,878	74,878
019	ROCKET, HYDRA 70, ALL TYPES	175,994	165,994
	Excess support costs		[-10,000]
	OTHER AMMUNITION		
020	CAD/PAD, ALL TYPES	7,595	7,595
021	DEMOLITION MUNITIONS, ALL TYPES	51,651	51,651
022	GRENADES, ALL TYPES	40,592	40,592
023	SIGNALS, ALL TYPES	18,609	18,609
024	SIMULATORS, ALL TYPES	16,054	16,054
	MISCELLANEOUS		
025	AMMO COMPONENTS, ALL TYPES	5,261	5,261
026	NON-LETHAL AMMUNITION, ALL TYPES	715	715
027	ITEMS LESS THAN \$5 MILLION (AMMO)	9,213	9,213
028	AMMUNITION PECULIAR EQUIPMENT	10,044	10,044
029	FIRST DESTINATION TRANSPORTATION (AMMO)	18,492	18,492
030	CLOSEOUT LIABILITIES	99	99
	PRODUCTION BASE SUPPORT		
031	INDUSTRIAL FACILITIES	474,511	474,511
032	CONVENTIONAL MUNITIONS DEMILITARIZATION	202,512	202,512
033	ARMS INITIATIVE	3,833	3,833
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	2,694,548	2,554,064
	OTHER PROCUREMENT, ARMY		
	TACTICAL VEHICLES		
001	TACTICAL TRAILERS/DOLLY SETS	12,993	12,993
002	SEMITRAILERS, FLATBED:	102,386	102,386
003	AMBULANCE, 4 LITTER, 5/4 TON, 4X4	127,271	127,271
004	GROUND MOBILITY VEHICLES (GMV)	37,038	35,038
	Unit cost growth		[-2,000]
006	JOINT LIGHT TACTICAL VEHICLE	996,007	976,507
	Army requested transfer to RDTE, A line 169		[-4,500]
	Simulator delay		[-15,000]
007	TRUCK, DUMP, 20T (CCE)	10,838	10,838
008	FAMILY OF MEDIUM TACTICAL VEH (FMTV)	72,057	138,057
	Program increase		[66,000]
009	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP	28,048	28,048
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	9,969	9,969
011	PLS ESP	6,280	6,280
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	30,841	131,841
	Program increase		[101,000]
013	HMMWV RECAPITALIZATION PROGRAM	5,734	5,734
014	TACTICAL WHEELED VEHICLE PROTECTION KITS	45,113	45,113
015	MODIFICATION OF IN SVC EQUIP	58,946	58,946
	NON-TACTICAL VEHICLES		
017	HEAVY ARMORED VEHICLE	791	791
018	PASSENGER CARRYING VEHICLES	1,416	1,416
019	NONTACTICAL VEHICLES, OTHER	29,891	29,891
	COMM—JOINT COMMUNICATIONS		
021	SIGNAL MODERNIZATION PROGRAM	153,933	148,933
	Excess funding for spares		[-5,000]
022	TACTICAL NETWORK TECHNOLOGY MOD IN SVC	387,439	411,439
	ITN-M for one armored brigade combat team		[24,000]
023	SITUATION INFORMATION TRANSPORT	46,693	46,693
025	JCSE EQUIPMENT (USRDECOM)	5,075	5,075

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(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
COMM—SATELLITE COMMUNICATIONS			
028	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS	101,189	101,189
029	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	77,141	77,141
030	SHF TERM	16,054	16,054
031	ASSURED POSITIONING, NAVIGATION AND TIMING	41,074	4,914
	Contract delays		[-28,760]
	Program cancellation		[-7,400]
032	SMART-T (SPACE)	10,515	10,515
033	GLOBAL BDCST SVC—GBS	11,800	11,800
034	ENROUTE MISSION COMMAND (EMC)	8,609	8,609
COMM—C3 SYSTEM			
038	COE TACTICAL SERVER INFRASTRUCTURE (TSI)	77,533	77,533
COMM—COMBAT COMMUNICATIONS			
039	HANDHELD MANPACK SMALL FORM FIT (HMS)	468,026	468,026
	Program delay		[-25,000]
	SFAB technology refresh		[25,000]
040	RADIO TERMINAL SET, MIDS LVT(2)	23,778	23,778
044	SPIDER FAMILY OF NETWORKED MUNITIONS INCR	10,930	10,930
046	UNIFIED COMMAND SUITE	9,291	8,291
	Excess program management costs		[-1,000]
047	COTS COMMUNICATIONS EQUIPMENT	55,630	55,630
048	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE	16,590	16,590
049	ARMY COMMUNICATIONS & ELECTRONICS	43,457	43,457
COMM—INTELLIGENCE COMM			
051	CI AUTOMATION ARCHITECTURE (MIP)	10,470	10,470
052	DEFENSE MILITARY DECEPTION INITIATIVE	3,704	3,704
INFORMATION SECURITY			
053	FAMILY OF BIOMETRICS	1,000	1,000
054	INFORMATION SYSTEM SECURITY PROGRAM-ISSP	3,600	3,600
055	COMMUNICATIONS SECURITY (COMSEC)	160,899	141,899
	Unit cost growth		[-19,000]
056	DEFENSIVE CYBER OPERATIONS	61,962	61,962
057	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITO	756	756
058	PERSISTENT CYBER TRAINING ENVIRONMENT	3,000	3,000
COMM—LONG HAUL COMMUNICATIONS			
059	BASE SUPPORT COMMUNICATIONS	31,770	26,770
	Insufficient budget justification		[-5,000]
COMM—BASE COMMUNICATIONS			
060	INFORMATION SYSTEMS	159,009	139,009
	Unjustified growth		[-15,000]
	Unjustified growth in SRM HW		[-5,000]
061	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM	4,854	4,854
062	HOME STATION MISSION COMMAND CENTERS (HSMCC)	47,174	47,174
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	297,994	247,994
	Insufficient budget justification		[-50,000]
ELECT EQUIP—TACT INT REL ACT (TIARA)			
066	JTT/CIBS-M (MIP)	7,686	7,686
068	DCGS-A (MIP)	180,350	180,350
070	TROJAN (MIP)	17,368	17,368
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	59,052	59,052
ELECT EQUIP—ELECTRONIC WARFARE (EW)			
077	LIGHTWEIGHT COUNTER MORTAR RADAR	5,400	5,400
078	EW PLANNING & MANAGEMENT TOOLS (EWPMT)	7,568	7,568
079	AIR VIGILANCE (AV) (MIP)	8,953	8,953
081	MULTI-FUNCTION ELECTRONIC WARFARE (MFEW) SYST	6,420	6,420
083	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	501	501
084	CI MODERNIZATION (MIP)	121	121
ELECT EQUIP—TACTICAL SURV. (TAC SURV)			
085	SENTINEL MODS	115,210	114,210
	Excess support costs		[-1,000]
086	NIGHT VISION DEVICES	236,604	160,604
	Insufficient justification (IVAS)		[-76,000]
088	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	22,623	22,623
090	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	29,127	29,127
091	FAMILY OF WEAPON SIGHTS (FWS)	120,883	81,541
	Excess unit cost growth		[-39,342]
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P)	265,667	240,167
	Program adjustment		[-25,500]
095	JOINT EFFECTS TARGETING SYSTEM (JETS)	69,720	44,720
	Program delay		[-25,000]
096	MOD OF IN-SVC EQUIP (LLDR)	6,044	6,044
097	COMPUTER BALLISTICS: LHMCB XM32	3,268	3,268
098	MORTAR FIRE CONTROL SYSTEM	13,199	13,199
099	MORTAR FIRE CONTROL SYSTEMS MODIFICATIONS	10,000	10,000
100	COUNTERFIRE RADARS	16,416	16,416
ELECT EQUIP—TACTICAL C2 SYSTEMS			
102	FIRE SUPPORT C2 FAMILY	13,197	13,197
103	AIR & MSL DEFENSE PLANNING & CONTROL SYS	24,730	24,730

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Line	Item	FY 2020 Request	House Authorized
104	LAMD BATTLE COMMAND SYSTEM	29,629	29,629
105	LIFE CYCLE SOFTWARE SUPPORT (LCSS)	6,774	6,774
106	NETWORK MANAGEMENT INITIALIZATION AND SERVICE	24,448	24,448
107	MANEUVER CONTROL SYSTEM (MCS)	260	260
108	GLOBAL COMBAT SUPPORT SYSTEM-ARMY (GCSS-A)	17,962	17,962
109	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPP)	18,674	18,674
110	RECONNAISSANCE AND SURVEYING INSTRUMENT SET	11,000	11,000
111	MOD OF IN-SVC EQUIPMENT (ENFIRE)	7,317	15,317
	Program increase—land surveying systems		[8,000]
	ELECT EQUIP—AUTOMATION		
112	ARMY TRAINING MODERNIZATION	14,578	14,578
113	AUTOMATED DATA PROCESSING EQUIP	139,342	134,342
	Unjustified growth		[-5,000]
114	GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM	15,802	15,802
115	HIGH PERF COMPUTING MOD PGM (HPCMP)	67,610	67,610
116	CONTRACT WRITING SYSTEM	15,000	15,000
117	CSS COMMUNICATIONS	24,700	24,700
118	RESERVE COMPONENT AUTOMATION SYS (RCAS)	27,879	27,879
	ELECT EQUIP—AUDIO VISUAL SYS (A/V)		
120	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT)	5,000	5,000
	ELECT EQUIP—SUPPORT		
122	BCT EMERGING TECHNOLOGIES	22,302	22,302
	CLASSIFIED PROGRAMS		
122A	CLASSIFIED PROGRAMS	11,910	11,910
	CHEMICAL DEFENSIVE EQUIPMENT		
126	CBRN DEFENSE	25,828	25,828
127	SMOKE & OBSCURANT FAMILY: SOF (NON AAO ITEM)	5,050	5,050
	BRIDGING EQUIPMENT		
128	TACTICAL BRIDGING	59,821	57,821
	Contract delays		[-2,000]
129	TACTICAL BRIDGE, FLOAT-RIBBON	57,661	57,661
130	BRIDGE SUPPLEMENTAL SET	17,966	17,966
131	COMMON BRIDGE TRANSPORTER (CBT) RECAP	43,155	43,155
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT		
132	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST	7,570	7,570
133	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)	37,025	37,025
135	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	83,082	54,082
	Unjustified unit cost growth		[-29,000]
136	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)	2,000	2,000
137	EOD ROBOTICS SYSTEMS RECAPITALIZATION	23,115	23,115
138	ROBOTICS AND APPLIQUE SYSTEMS	101,056	101,056
140	RENDER SAFE SETS KITS OUTFITS	18,684	18,684
142	FAMILY OF BOATS AND MOTORS	8,245	6,245
	Unit cost growth		[-2,000]
	COMBAT SERVICE SUPPORT EQUIPMENT		
143	HEATERS AND ECUS	7,336	7,336
145	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	4,281	4,281
146	GROUND SOLDIER SYSTEM	111,955	111,955
147	MOBILE SOLDIER POWER	31,364	29,364
	Unit cost growth		[-2,000]
149	FIELD FEEDING EQUIPMENT	1,673	1,673
150	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	43,622	43,622
151	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS	11,451	11,451
152	ITEMS LESS THAN \$5M (ENG SPT)	5,167	5,167
	PETROLEUM EQUIPMENT		
154	DISTRIBUTION SYSTEMS, PETROLEUM & WATER	74,867	74,867
	MEDICAL EQUIPMENT		
155	COMBAT SUPPORT MEDICAL	68,225	68,225
	MAINTENANCE EQUIPMENT		
156	MOBILE MAINTENANCE EQUIPMENT SYSTEMS	55,053	55,053
157	ITEMS LESS THAN \$5.0M (MAINT EQ)	5,608	5,608
	CONSTRUCTION EQUIPMENT		
161	HYDRAULIC EXCAVATOR	500	500
162	TRACTOR, FULL TRACKED	4,835	4,835
163	ALL TERRAIN CRANES	23,936	23,936
164	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	27,188	27,188
166	CONST EQUIP ESP	34,790	34,790
167	ITEMS LESS THAN \$5.0M (CONST EQUIP)	4,381	4,381
	RAIL FLOAT CONTAINERIZATION EQUIPMENT		
168	ARMY WATERCRAFT ESP	35,194	35,194
169	MANEUVER SUPPORT VESSEL (MSV)	14,185	14,185
170	ITEMS LESS THAN \$5.0M (FLOAT/RAIL)	6,920	6,920
	GENERATORS		
171	GENERATORS AND ASSOCIATED EQUIP	58,566	58,566
172	TACTICAL ELECTRIC POWER RECAPITALIZATION	14,814	14,814
	MATERIAL HANDLING EQUIPMENT		
173	FAMILY OF FORKLIFTS	14,864	14,864
	TRAINING EQUIPMENT		

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174	COMBAT TRAINING CENTERS SUPPORT	123,411	123,411
175	TRAINING DEVICES, NONSYSTEM	220,707	220,707
176	SYNTHETIC TRAINING ENVIRONMENT (STE)	20,749	15,749
	Program adjustment		[-5,000]
178	AVIATION COMBINED ARMS TACTICAL TRAINER	4,840	4,840
179	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING	15,463	15,463
	TEST MEASURE AND DIG EQUIPMENT (TMD)		
180	CALIBRATION SETS EQUIPMENT	3,030	3,030
181	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	76,980	76,980
182	TEST EQUIPMENT MODERNIZATION (TEMOD)	16,415	13,415
	Historical underexecution		[-3,000]
	OTHER SUPPORT EQUIPMENT		
184	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	9,877	9,877
185	PHYSICAL SECURITY SYSTEMS (OPA3)	82,158	82,158
186	BASE LEVEL COMMON EQUIPMENT	15,340	15,340
187	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	50,458	50,458
189	BUILDING, PRE-FAB, RELOCATABLE	14,400	14,400
190	SPECIAL EQUIPMENT FOR USER TESTING	9,821	9,821
	OPA2		
192	INITIAL SPARES—C&E	9,757	9,757
	TOTAL OTHER PROCUREMENT, ARMY	7,451,301	7,277,799
	AIRCRAFT PROCUREMENT, NAVY		
	COMBAT AIRCRAFT		
001	F/A-18E/F (FIGHTER) HORNET	1,748,934	1,730,934
	ECO and ancillary equipment excess growth		[-18,000]
002	F/A-18E/F (FIGHTER) HORNET	55,128	51,128
	Excess engine cost growth		[-4,000]
003	JOINT STRIKE FIGHTER CV	2,272,301	2,162,301
	Target cost savings		[-110,000]
004	JOINT STRIKE FIGHTER CV	339,053	339,053
005	JSF STOVL	1,342,035	1,256,035
	Target cost savings		[-86,000]
006	JSF STOVL	291,804	291,804
007	CH-53K (HEAVY LIFT)	807,876	807,876
008	CH-53K (HEAVY LIFT)	215,014	215,014
009	V-22 (MEDIUM LIFT)	966,666	1,184,766
	Program increase		[248,100]
	Support cost growth		[-30,000]
010	V-22 (MEDIUM LIFT)	27,104	27,104
011	H-1 UPGRADES (UH-1Y/AH-1Z)	62,003	62,003
013	MH-60R (MYP)	894	894
014	P-8A POSEIDON	1,206,701	1,636,601
	Contract negotiations savings		[-42,900]
	Line shutdown costs early to need		[-68,400]
	Navy unfunded priority		[541,200]
016	E-2D ADV HAWKEYE	744,484	896,784
	GFE excess cost growth		[-3,500]
	Navy unfunded priority		[173,000]
	NRE excess cost growth		[-17,200]
017	E-2D ADV HAWKEYE	190,204	190,204
	TRAINER AIRCRAFT		
019	ADVANCED HELICOPTER TRAINING SYSTEM	261,160	261,160
	OTHER AIRCRAFT		
020	KC-130J	240,840	221,840
	Unit cost growth		[-19,000]
021	KC-130J	66,061	66,061
022	F-5	39,676	39,676
023	MQ-4 TRITON	473,134	448,134
	PGSE excess cost growth		[-25,000]
024	MQ-4 TRITON	20,139	20,139
025	MQ-8 UAV	44,957	44,957
026	STUASLO UAV	43,819	43,819
028	VH-92A EXECUTIVE HELO	658,067	658,067
	MODIFICATION OF AIRCRAFT		
029	AEA SYSTEMS	44,470	44,470
030	AV-8 SERIES	39,472	39,472
031	ADVERSARY	3,415	3,415
032	F-18 SERIES	1,207,089	1,138,089
	Accelerate RWR modernization		[10,000]
	Early to need		[-79,000]
033	H-53 SERIES	68,385	68,385
034	MH-60 SERIES	149,797	152,297
	Demonstrate alternative low frequency active sonars		[2,500]
035	H-1 SERIES	114,059	114,059
036	EP-3 SERIES	8,655	8,655
038	E-2 SERIES	117,059	117,059
039	TRAINER A/C SERIES	5,616	5,616

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Line	Item	FY 2020 Request	House Authorized
040	C-2A	15,747	15,747
041	C-130 SERIES	122,671	122,671
042	FEWSG	509	509
043	CARGO/TRANSPORT A/C SERIES	8,767	8,767
044	E-6 SERIES	169,827	169,827
045	EXECUTIVE HELICOPTERS SERIES	8,933	8,933
047	T-45 SERIES	186,022	184,314
	<i>NRE previously funded</i>		[-1,708]
048	POWER PLANT CHANGES	16,136	16,136
049	JPATS SERIES	21,824	21,824
050	AVIATION LIFE SUPPORT MODS	39,762	39,762
051	COMMON ECM EQUIPMENT	162,839	159,565
	<i>Program decrease</i>		[-3,274]
052	COMMON AVIONICS CHANGES	102,107	75,107
	<i>Computing and displays concurrency and equipment growth early to need</i>		[-27,000]
053	COMMON DEFENSIVE WEAPON SYSTEM	2,100	2,100
054	ID SYSTEMS	41,437	33,637
	<i>Unjustified unit cost growth</i>		[-7,800]
055	P-8 SERIES	107,539	107,539
056	MAGTF EW FOR AVIATION	26,536	26,536
057	MQ-8 SERIES	34,686	34,686
058	V-22 (TILT/ROTOR ACFT) OSPREY	325,367	325,367
059	NEXT GENERATION JAMMER (NGJ)	6,223	6,223
060	F-35 STOVL SERIES	65,585	65,585
061	F-35 CV SERIES	15,358	15,358
062	QRC	165,016	146,558
	<i>Program decrease</i>		[-18,458]
063	MQ-4 SERIES	27,994	27,994
064	RQ-21 SERIES	66,282	66,282
	AIRCRAFT SPARES AND REPAIR PARTS		
067	SPARES AND REPAIR PARTS	2,166,788	2,102,788
	<i>MQ-4 Triton spares excess growth</i>		[-64,000]
	AIRCRAFT SUPPORT EQUIP & FACILITIES		
068	COMMON GROUND EQUIPMENT	491,025	470,025
	<i>Other flight training previously funded</i>		[-21,000]
069	AIRCRAFT INDUSTRIAL FACILITIES	71,335	71,335
070	WAR CONSUMABLES	41,086	32,086
	<i>BRU-61 previously funded</i>		[-9,000]
072	SPECIAL SUPPORT EQUIPMENT	135,740	135,740
073	FIRST DESTINATION TRANSPORTATION	892	892
	TOTAL AIRCRAFT PROCUREMENT, NAVY	18,522,204	18,841,764
	WEAPONS PROCUREMENT, NAVY		
	MODIFICATION OF MISSILES		
001	TRIDENT II MODS	1,177,251	1,157,651
	<i>W76-2 low-yield deployment</i>		[-19,600]
	SUPPORT EQUIPMENT & FACILITIES		
002	MISSILE INDUSTRIAL FACILITIES	7,142	7,142
	STRATEGIC MISSILES		
003	TOMAHAWK	386,730	386,730
	TACTICAL MISSILES		
004	AMRAAM	224,502	191,502
	<i>Unit cost growth</i>		[-33,000]
005	SIDEWINDER	119,456	119,456
007	STANDARD MISSILE	404,523	379,523
	<i>SM-6 multi-year procurement savings</i>		[-25,000]
008	STANDARD MISSILE	96,085	96,085
009	SMALL DIAMETER BOMB II	118,466	118,466
010	RAM	106,765	106,765
012	HELLFIRE	1,525	1,525
015	AERIAL TARGETS	145,880	145,880
016	DRONES AND DECOYS	20,000	20,000
017	OTHER MISSILE SUPPORT	3,388	3,388
018	LRASM	143,200	168,200
	<i>Navy unfunded priority</i>		[25,000]
019	LCS OTH MISSILE	38,137	38,137
	MODIFICATION OF MISSILES		
020	ESSM	128,059	118,059
	<i>Production support excess to need</i>		[-10,000]
021	HARPOON MODS	25,447	25,447
022	HARM MODS	183,740	183,740
023	STANDARD MISSILES MODS	22,500	22,500
	SUPPORT EQUIPMENT & FACILITIES		
024	WEAPONS INDUSTRIAL FACILITIES	1,958	1,958
025	FLEET SATELLITE COMM FOLLOW-ON	67,380	67,380
	ORDNANCE SUPPORT EQUIPMENT		
027	ORDNANCE SUPPORT EQUIPMENT	109,427	109,427
	TORPEDOES AND RELATED EQUIP		

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Line	Item	FY 2020 Request	House Authorized
028	SSTD	5,561	5,561
029	MK-48 TORPEDO	114,000	130,000
	Program increase		[16,000]
030	ASW TARGETS	15,095	15,095
	MOD OF TORPEDOES AND RELATED EQUIP		
031	MK-54 TORPEDO MODS	119,453	111,453
	HAAWC cost growth		[-8,000]
032	MK-48 TORPEDO ADCAP MODS	39,508	39,508
033	QUICKSTRIKE MINE	5,183	5,183
	SUPPORT EQUIPMENT		
034	TORPEDO SUPPORT EQUIPMENT	79,028	79,028
035	ASW RANGE SUPPORT	3,890	3,890
	DESTINATION TRANSPORTATION		
036	FIRST DESTINATION TRANSPORTATION	3,803	3,803
	GUNS AND GUN MOUNTS		
037	SMALL ARMS AND WEAPONS	14,797	14,797
	MODIFICATION OF GUNS AND GUN MOUNTS		
038	CIWS MODS	44,126	0
	Unjustified OCO request		[-44,126]
039	COAST GUARD WEAPONS	44,980	44,980
040	GUN MOUNT MODS	66,376	66,376
041	LCS MODULE WEAPONS	14,585	0
	Program decrease		[-14,585]
043	AIRBORNE MINE NEUTRALIZATION SYSTEMS	7,160	7,160
	SPARES AND REPAIR PARTS		
045	SPARES AND REPAIR PARTS	126,138	126,138
	TOTAL WEAPONS PROCUREMENT, NAVY	4,235,244	4,121,933
	PROCUREMENT OF AMMO, NAVY & MC		
	NAVY AMMUNITION		
001	GENERAL PURPOSE BOMBS	36,028	20,028
	Fuze contract delay and unit cost growth		[-16,000]
002	JDAM	70,413	62,913
	JDAM tail kit unit cost growth		[-7,500]
003	AIRBORNE ROCKETS, ALL TYPES	31,756	22,256
	Unit cost growth		[-9,500]
004	MACHINE GUN AMMUNITION	4,793	4,793
005	PRACTICE BOMBS	34,708	27,208
	Q1300 LGTR unit cost growth		[-7,500]
006	CARTRIDGES & CART ACTUATED DEVICES	45,738	38,738
	Contract and schedule delays		[-7,000]
007	AIR EXPENDABLE COUNTERMEASURES	77,301	67,801
	Unit cost growth		[-9,500]
008	JATOS	7,262	7,262
009	5 INCH/54 GUN AMMUNITION	22,594	22,594
010	INTERMEDIATE CALIBER GUN AMMUNITION	37,193	37,193
011	OTHER SHIP GUN AMMUNITION	39,491	29,491
	CART 20MM contract award delay		[-10,000]
012	SMALL ARMS & LANDING PARTY AMMO	47,896	47,896
013	PYROTECHNIC AND DEMOLITION	10,621	10,621
015	AMMUNITION LESS THAN \$5 MILLION	2,386	2,386
	MARINE CORPS AMMUNITION		
016	MORTARS	55,543	50,543
	Prior year underexecution		[-5,000]
017	DIRECT SUPPORT MUNITIONS	131,765	131,765
018	INFANTRY WEAPONS AMMUNITION	78,056	74,556
	Underexecution and schedule delays		[-3,500]
019	COMBAT SUPPORT MUNITIONS	40,048	34,048
	Unit cost growth		[-6,000]
020	AMMO MODERNIZATION	14,325	14,325
021	ARTILLERY MUNITIONS	188,876	167,476
	DA 54 contract delay		[-21,400]
022	ITEMS LESS THAN \$5 MILLION	4,521	4,521
	TOTAL PROCUREMENT OF AMMO, NAVY & MC	981,314	878,414
	SHIPBUILDING AND CONVERSION, NAVY		
	FLEET BALLISTIC MISSILE SHIPS		
001	OHIO REPLACEMENT SUBMARINE	1,698,907	1,823,907
	Submarine supplier development		[125,000]
	OTHER WARSHIPS		
002	CARRIER REPLACEMENT PROGRAM	2,347,000	1,952,000
	Basic construction/conversion excess cost growth		[-302,000]
	Propulsion equipment excess cost growth		[-93,000]
003	VIRGINIA CLASS SUBMARINE	7,155,946	6,605,946
	Block V MYP savings redirected to fund USS Boise, USS Hartford, and USS Columbus availabilities		[-550,000]
004	VIRGINIA CLASS SUBMARINE	2,769,552	2,769,552
005	CVN REFUELING OVERHAULS	647,926	453,926

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(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
	CVN-74 RCOH basic construction/conversion excess cost growth		[-165,000]
	CVN-74 RCOH ordnance excess cost growth		[-46,000]
	CVN-75 RCOH restoration		[17,000]
007	DDG 1000	155,944	155,944
008	DDG-51	5,099,295	5,013,295
	Basic ship construction excess cost growth		[-86,000]
009	DDG-51	224,028	224,028
011	FFG-FRIGATE	1,281,177	1,266,177
	Change order early to need		[-15,000]
	AMPHIBIOUS SHIPS		
012	LPD FLIGHT II		100,000
	Transfer from line 13		[100,000]
013	LPD FLIGHT II	247,100	147,100
	Transfer to line 12		[-100,000]
017	EXPEDITIONARY FAST TRANSPORT (EPF)		49,000
	Medical transport modification for EPF-14 Navy unfunded priority		[49,000]
	AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST		
018	TAO FLEET OILER	981,215	607,215
	Full funding early to need		[-447,000]
	Transfer from Line 19		[73,000]
019	TAO FLEET OILER	73,000	0
	Transfer to Line 18		[-73,000]
020	TOWING, SALVAGE, AND RESCUE SHIP (ATS)	150,282	150,282
022	LCU 1700	85,670	85,670
023	OUTFITTING	754,679	643,554
	ESB-9 Outfitting early to need		[-11,125]
	Excess cost growth		[-100,000]
024	SHIP TO SHORE CONNECTOR		130,000
	Program increase		[130,000]
025	SERVICE CRAFT	56,289	56,289
028	COMPLETION OF PY SHIPBUILDING PROGRAMS	55,700	25,700
	ESB change order prior year carryover		[-30,000]
	TOTAL SHIPBUILDING AND CONVERSION, NAVY	23,783,710	22,259,585
	OTHER PROCUREMENT, NAVY		
	SHIP PROPULSION EQUIPMENT		
001	SURFACE POWER EQUIPMENT	14,490	14,490
	GENERATORS		
002	SURFACE COMBATANT HM&E	31,583	23,503
	Excess cost growth		[-8,080]
	NAVIGATION EQUIPMENT		
003	OTHER NAVIGATION EQUIPMENT	77,404	60,830
	Excess cost growth		[-16,574]
	OTHER SHIPBOARD EQUIPMENT		
004	SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG	160,803	160,803
005	DDG MOD	566,140	566,140
006	FIREFIGHTING EQUIPMENT	18,223	18,223
007	COMMAND AND CONTROL SWITCHBOARD	2,086	2,086
008	LHA/LHD MIDLIFE	95,651	64,651
	Excess cost growth		[-31,000]
009	POLLUTION CONTROL EQUIPMENT	23,910	23,910
010	SUBMARINE SUPPORT EQUIPMENT	44,895	25,300
	Acoustic superiority early to need		[-11,855]
	Excess cost growth		[-7,740]
011	VIRGINIA CLASS SUPPORT EQUIPMENT	28,465	28,465
012	LCS CLASS SUPPORT EQUIPMENT	19,426	19,426
013	SUBMARINE BATTERIES	26,290	26,290
014	LPD CLASS SUPPORT EQUIPMENT	46,945	46,945
015	DDG 1000 CLASS SUPPORT EQUIPMENT	9,930	9,930
016	STRATEGIC PLATFORM SUPPORT EQUIP	14,331	14,331
017	DSSP EQUIPMENT	2,909	2,909
018	CG MODERNIZATION	193,990	193,990
019	LCAC	3,392	3,392
020	UNDERWATER EOD PROGRAMS	71,240	71,240
021	ITEMS LESS THAN \$5 MILLION	102,543	102,543
022	CHEMICAL WARFARE DETECTORS	2,961	2,961
023	SUBMARINE LIFE SUPPORT SYSTEM	6,635	6,635
	REACTOR PLANT EQUIPMENT		
024	REACTOR POWER UNITS	5,340	5,340
025	REACTOR COMPONENTS	465,726	465,726
	OCEAN ENGINEERING		
026	DIVING AND SALVAGE EQUIPMENT	11,854	10,706
	Excess cost growth		[-1,148]
	SMALL BOATS		
027	STANDARD BOATS	79,102	73,967
	Excess cost growth		[-5,135]
	PRODUCTION FACILITIES EQUIPMENT		
028	OPERATING FORCES IPE	202,238	202,238

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(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
OTHER SHIP SUPPORT			
029	LCS COMMON MISSION MODULES EQUIPMENT	51,553	33,237
	<i>Excess cost growth</i>		[-18,316]
030	LCS MCM MISSION MODULES	197,129	77,129
	<i>Excess cost growth</i>		[-120,000]
031	LCS ASW MISSION MODULES	27,754	25,254
	<i>Demonstrate alternate low frequency active sonar</i>		[2,500]
	<i>Excess cost growth</i>		[-5,000]
032	LCS SUW MISSION MODULES	26,566	14,566
	<i>Excess cost growth</i>		[-12,000]
033	LCS IN-SERVICE MODERNIZATION	84,972	84,972
034	SMALL & MEDIUM UUV	40,547	10,601
	<i>Early to need</i>		[-29,946]
LOGISTIC SUPPORT			
035	LSD MIDLIFE & MODERNIZATION	40,269	40,269
SHIP SONARS			
036	SPQ-9B RADAR	26,195	26,195
037	AN/SQQ-89 SURF ASW COMBAT SYSTEM	125,237	125,237
038	SSN ACOUSTIC EQUIPMENT	366,968	354,968
	<i>Low cost conformal array contract delay</i>		[-12,000]
039	UNDERSEA WARFARE SUPPORT EQUIPMENT	8,967	8,967
ASW ELECTRONIC EQUIPMENT			
040	SUBMARINE ACOUSTIC WARFARE SYSTEM	23,545	23,545
041	SSTD	12,439	12,439
042	FIXED SURVEILLANCE SYSTEM	128,441	128,441
043	SURTASS	21,923	21,923
ELECTRONIC WARFARE EQUIPMENT			
044	AN/SLQ-32	420,154	420,154
RECONNAISSANCE EQUIPMENT			
045	SHIPBOARD IW EXPLOIT	194,758	194,758
046	AUTOMATED IDENTIFICATION SYSTEM (AIS)	5,368	5,368
OTHER SHIP ELECTRONIC EQUIPMENT			
047	COOPERATIVE ENGAGEMENT CAPABILITY	35,128	35,128
048	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)	15,154	15,154
049	ATDLS	52,753	52,753
050	NAVY COMMAND AND CONTROL SYSTEM (NCCS)	3,390	3,390
051	MINESWEEPING SYSTEM REPLACEMENT	19,448	19,448
052	SHALLOW WATER MCM	8,730	8,730
053	NAVSTAR GPS RECEIVERS (SPACE)	32,674	32,674
054	AMERICAN FORCES RADIO AND TV SERVICE	2,617	2,617
055	STRATEGIC PLATFORM SUPPORT EQUIP	7,973	7,973
AVIATION ELECTRONIC EQUIPMENT			
056	ASHORE ATC EQUIPMENT	72,406	72,406
057	AFLOAT ATC EQUIPMENT	67,410	67,410
058	ID SYSTEMS	26,059	15,464
	<i>OE-120/UPX antenna insufficient budget justification</i>		[-10,595]
059	JOINT PRECISION APPROACH AND LANDING SYSTEM (.....	92,695	61,348
	<i>Early to need</i>		[-31,347]
060	NAVAL MISSION PLANNING SYSTEMS	15,296	15,296
OTHER SHORE ELECTRONIC EQUIPMENT			
061	TACTICAL/MOBILE C4I SYSTEMS	36,226	36,226
062	DCGS-N	21,788	21,788
063	CANES	426,654	406,654
	<i>Program decrease</i>		[-20,000]
064	RADIAC	6,450	6,450
065	CANES-INTELL	52,713	52,713
066	GPETE	13,028	13,028
067	MASF	5,193	5,193
068	INTEG COMBAT SYSTEM TEST FACILITY	6,028	6,028
069	EMI CONTROL INSTRUMENTATION	4,209	4,209
070	ITEMS LESS THAN \$5 MILLION	168,436	151,593
	<i>Excess cost growth</i>		[-16,843]
SHIPBOARD COMMUNICATIONS			
071	SHIPBOARD TACTICAL COMMUNICATIONS	55,853	55,853
072	SHIP COMMUNICATIONS AUTOMATION	137,861	117,861
	<i>STACC cost growth</i>		[-20,000]
073	COMMUNICATIONS ITEMS UNDER \$5M	35,093	35,093
SUBMARINE COMMUNICATIONS			
074	SUBMARINE BROADCAST SUPPORT	50,833	50,833
075	SUBMARINE COMMUNICATION EQUIPMENT	69,643	60,643
	<i>Buoy shape improvement unjustified request</i>		[-9,000]
SATELLITE COMMUNICATIONS			
076	SATELLITE COMMUNICATIONS SYSTEMS	45,841	45,841
077	NAVY MULTIBAND TERMINAL (NMT)	88,021	88,021
SHORE COMMUNICATIONS			
078	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	4,293	4,293
CRYPTOGRAPHIC EQUIPMENT			
079	INFO SYSTEMS SECURITY PROGRAM (ISSP)	166,540	166,540

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Line	Item	FY 2020 Request	House Authorized
080	MIO INTEL EXPLOITATION TEAM	968	968
	CRYPTOLOGIC EQUIPMENT		
081	CRYPTOLOGIC COMMUNICATIONS EQUIP	13,090	13,090
	OTHER ELECTRONIC SUPPORT		
083	COAST GUARD EQUIPMENT	61,370	61,370
	SONOBUOYS		
085	SONOBUOYS—ALL TYPES	260,644	296,344
	Navy unfunded priority		[35,700]
	AIRCRAFT SUPPORT EQUIPMENT		
086	MINOTAUR	5,000	5,000
087	WEAPONS RANGE SUPPORT EQUIPMENT	101,843	94,843
	Excess cost growth		[-7,000]
088	AIRCRAFT SUPPORT EQUIPMENT	145,601	112,181
	Excess cost growth		[-20,000]
	Program decrease		[-13,420]
089	ADVANCED ARRESTING GEAR (AAG)	4,725	4,725
090	METEOROLOGICAL EQUIPMENT	14,687	14,687
092	LEGACY AIRBORNE MCM	19,250	19,250
093	LAMPS EQUIPMENT	792	792
094	AVIATION SUPPORT EQUIPMENT	55,415	52,415
	Contract delay		[-3,000]
095	UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL	32,668	32,668
	SHIP GUN SYSTEM EQUIPMENT		
096	SHIP GUN SYSTEMS EQUIPMENT	5,451	5,451
	SHIP MISSILE SYSTEMS EQUIPMENT		
097	HARPOON SUPPORT EQUIPMENT	1,100	1,100
098	SHIP MISSILE SUPPORT EQUIPMENT	228,104	203,104
	Excess cost growth		[-25,000]
099	TOMAHAWK SUPPORT EQUIPMENT	78,593	78,593
	FBM SUPPORT EQUIPMENT		
100	STRATEGIC MISSILE SYSTEMS EQUIP	280,510	280,510
	ASW SUPPORT EQUIPMENT		
101	SSN COMBAT CONTROL SYSTEMS	148,547	138,547
	Excess cost growth		[-10,000]
102	ASW SUPPORT EQUIPMENT	21,130	21,130
	OTHER ORDNANCE SUPPORT EQUIPMENT		
103	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	15,244	15,244
104	ITEMS LESS THAN \$5 MILLION	5,071	5,071
	OTHER EXPENDABLE ORDNANCE		
105	ANTI-SHIP MISSILE DECOY SYSTEM	41,962	41,962
106	SUBMARINE TRAINING DEVICE MODS	75,057	75,057
107	SURFACE TRAINING EQUIPMENT	233,175	189,253
	LCS trainer equipment early to need		[-43,922]
	CIVIL ENGINEERING SUPPORT EQUIPMENT		
108	PASSENGER CARRYING VEHICLES	4,562	4,562
109	GENERAL PURPOSE TRUCKS	10,974	10,974
110	CONSTRUCTION & MAINTENANCE EQUIP	43,191	43,191
111	FIRE FIGHTING EQUIPMENT	21,142	11,642
	Contract delays		[-9,500]
112	TACTICAL VEHICLES	33,432	32,032
	JLTV contract delay		[-1,400]
114	POLLUTION CONTROL EQUIPMENT	2,633	2,633
115	ITEMS UNDER \$5 MILLION	53,467	53,467
116	PHYSICAL SECURITY VEHICLES	1,173	1,173
	SUPPLY SUPPORT EQUIPMENT		
117	SUPPLY EQUIPMENT	16,730	16,730
118	FIRST DESTINATION TRANSPORTATION	5,389	5,389
119	SPECIAL PURPOSE SUPPLY SYSTEMS	654,674	654,674
	TRAINING DEVICES		
120	TRAINING SUPPORT EQUIPMENT	3,633	3,633
121	TRAINING AND EDUCATION EQUIPMENT	97,636	82,536
	Reduction in one Training Support Vessel		[-15,100]
	COMMAND SUPPORT EQUIPMENT		
122	COMMAND SUPPORT EQUIPMENT	66,102	50,102
	Prior year underexecution		[-16,000]
123	MEDICAL SUPPORT EQUIPMENT	3,633	3,633
125	NAVAL MIP SUPPORT EQUIPMENT	6,097	6,097
126	OPERATING FORCES SUPPORT EQUIPMENT	16,905	16,905
127	C&ISR EQUIPMENT	30,146	30,146
128	ENVIRONMENTAL SUPPORT EQUIPMENT	21,986	21,986
129	PHYSICAL SECURITY EQUIPMENT	160,046	160,046
130	ENTERPRISE INFORMATION TECHNOLOGY	56,899	56,899
	OTHER		
133	NEXT GENERATION ENTERPRISE SERVICE	122,832	122,832
	CLASSIFIED PROGRAMS		
133A	CLASSIFIED PROGRAMS	16,346	16,346
	SPARES AND REPAIR PARTS		
134	SPARES AND REPAIR PARTS	375,608	352,140

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Line	Item	FY 2020 Request	House Authorized
	JPALS spares early to need		[-8,137]
	LCS spares early to need		[-15,331]
	TOTAL OTHER PROCUREMENT, NAVY	9,652,956	9,116,767
	PROCUREMENT, MARINE CORPS		
	TRACKED COMBAT VEHICLES		
001	AAV7A1 PIP	39,495	39,495
002	AMPHIBIOUS COMBAT VEHICLE 1.1	317,935	313,135
	Excess engineering change orders		[-4,800]
003	LAV PIP	60,734	60,734
	ARTILLERY AND OTHER WEAPONS		
004	155MM LIGHTWEIGHT TOWED HOWITZER	25,065	25,065
005	ARTILLERY WEAPONS SYSTEM	100,002	90,002
	Equipment previously funded and cost growth		[-10,000]
006	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION	31,945	31,945
	OTHER SUPPORT		
007	MODIFICATION KITS	22,760	22,760
	GUIDED MISSILES		
008	GROUND BASED AIR DEFENSE	175,998	175,998
009	ANTI-ARMOR MISSILE-JAVELIN	20,207	20,207
010	FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS)	21,913	21,913
011	ANTI-ARMOR MISSILE-TOW	60,501	60,501
012	GUIDED MLRS ROCKET (GMLRS)	29,062	28,062
	Unit cost discrepancy		[-1,000]
	COMMAND AND CONTROL SYSTEMS		
013	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C	37,203	32,203
	AN/MRQ-13 communications subsystems upgrades unjustified growth		[-5,000]
	REPAIR AND TEST EQUIPMENT		
014	REPAIR AND TEST EQUIPMENT	55,156	55,156
	OTHER SUPPORT (TEL)		
015	MODIFICATION KITS	4,945	4,945
	COMMAND AND CONTROL SYSTEM (NON-TEL)		
016	ITEMS UNDER \$5 MILLION (COMM & ELEC)	112,124	83,124
	Unit cost growth		[-29,000]
017	AIR OPERATIONS C2 SYSTEMS	17,408	17,408
	RADAR + EQUIPMENT (NON-TEL)		
018	RADAR SYSTEMS	329	329
019	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	273,022	273,022
	INTELL/COMM EQUIPMENT (NON-TEL)		
021	GCSS-MC	4,484	4,484
022	FIRE SUPPORT SYSTEM	35,488	35,488
023	INTELLIGENCE SUPPORT EQUIPMENT	56,896	54,396
	Unjustified growth		[-2,500]
025	UNMANNED AIR SYSTEMS (INTEL)	34,711	34,711
026	DCGS-MC	32,562	32,562
	OTHER SUPPORT (NON-TEL)		
030	NEXT GENERATION ENTERPRISE NETWORK (NGEN)	114,901	114,901
031	COMMON COMPUTER RESOURCES	51,094	51,094
032	COMMAND POST SYSTEMS	108,897	108,897
033	RADIO SYSTEMS	227,320	212,320
	Cost growth and early to need		[-15,000]
034	COMM SWITCHING & CONTROL SYSTEMS	31,685	23,685
	ECP small form factor previously funded		[-8,000]
035	COMM & ELEC INFRASTRUCTURE SUPPORT	21,140	21,140
036	CYBERSPACE ACTIVITIES	27,632	27,632
	CLASSIFIED PROGRAMS		
036A	CLASSIFIED PROGRAMS	5,535	5,535
	ADMINISTRATIVE VEHICLES		
037	COMMERCIAL CARGO VEHICLES	28,913	28,913
	TACTICAL VEHICLES		
038	MOTOR TRANSPORT MODIFICATIONS	19,234	19,234
039	JOINT LIGHT TACTICAL VEHICLE	558,107	556,107
	ECP previously funded		[-2,000]
040	FAMILY OF TACTICAL TRAILERS	2,693	2,693
	ENGINEER AND OTHER EQUIPMENT		
041	ENVIRONMENTAL CONTROL EQUIP ASSORT	495	495
042	TACTICAL FUEL SYSTEMS	52	52
043	POWER EQUIPMENT ASSORTED	22,441	22,441
044	AMPHIBIOUS SUPPORT EQUIPMENT	7,101	7,101
045	EOD SYSTEMS	44,700	44,700
	MATERIALS HANDLING EQUIPMENT		
046	PHYSICAL SECURITY EQUIPMENT	15,404	15,404
	GENERAL PROPERTY		
047	FIELD MEDICAL EQUIPMENT	2,898	2,898
048	TRAINING DEVICES	149,567	126,567
	ODS unjustified request		[-23,000]
049	FAMILY OF CONSTRUCTION EQUIPMENT	35,622	35,622
050	ULTRA-LIGHT TACTICAL VEHICLE (ULTV)	647	647

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Line	Item	FY 2020 Request	House Authorized
	OTHER SUPPORT		
051	ITEMS LESS THAN \$5 MILLION	10,956	10,956
	SPARES AND REPAIR PARTS		
052	SPARES AND REPAIR PARTS	33,470	33,470
	TOTAL PROCUREMENT, MARINE CORPS	3,090,449	2,990,149
	AIRCRAFT PROCUREMENT, AIR FORCE		
	TACTICAL FORCES		
001	F-35	4,274,359	5,126,409
	Program increase		[1,042,800]
	Target cost savings		[-190,750]
002	F-35	655,500	655,500
003	F-15E	1,050,000	941,000
	Unjustified non-recurring engineering		[-109,000]
	TACTICAL AIRLIFT		
005	KC-46A MDAP	2,234,529	2,199,705
	Excess to need		[-34,824]
	OTHER AIRLIFT		
006	C-130J	12,156	404,156
	Program increase		[392,000]
008	MC-130J	871,207	871,207
009	MC-130J	40,000	40,000
	HELICOPTERS		
010	COMBAT RESCUE HELICOPTER	884,235	876,235
	Excess to need		[-8,000]
	MISSION SUPPORT AIRCRAFT		
011	C-37A	161,000	161,000
012	CIVIL AIR PATROL A/C	2,767	2,767
	OTHER AIRCRAFT		
014	TARGET DRONES	130,837	130,837
015	COMPASS CALL	114,095	114,095
017	MQ-9	189,205	313,005
	Program increase		[137,800]
	Unit cost growth		[-14,000]
	STRATEGIC AIRCRAFT		
019	B-2A	9,582	9,582
020	B-1B	22,111	22,111
021	B-52	69,648	69,648
022	LARGE AIRCRAFT INFRARED COUNTERMEASURES	43,758	43,758
	TACTICAL AIRCRAFT		
023	A-10	132,069	132,069
024	E-11 BACN/HAG	70,027	90,027
	Aircraft increase		[20,000]
025	F-15	481,073	480,443
	F-15C MUOS ahead of need		[-630]
026	F-16	234,782	234,782
028	F-22A	323,597	323,597
030	F-35 MODIFICATIONS	343,590	343,590
031	F-15 EPAW	149,047	25,047
	Prior-year carryover		[-124,000]
032	INCREMENT 3.2B	20,213	20,213
033	KC-46A MDAP	10,213	3,639
	Excess to need		[-6,574]
	AIRLIFT AIRCRAFT		
034	C-5	73,550	73,550
036	C-17A	60,244	60,244
037	C-21	216	216
038	C-32A	11,511	11,511
039	C-37A	435	435
	TRAINER AIRCRAFT		
040	GLIDER MODS	138	138
041	T-6	11,826	11,826
042	T-1	26,787	26,787
043	T-38	37,341	45,041
	T-38 A/B ejection seat safety		[7,700]
	OTHER AIRCRAFT		
044	U-2 MODS	86,896	119,896
	Increase for U-2 enhancements		[33,000]
045	KC-10A (ATCA)	2,108	2,108
046	C-12	3,021	3,021
047	VC-25A MOD	48,624	48,624
048	C-40	256	256
049	C-130	52,066	186,066
	3.5 Engine Enhancement Package		[79,000]
	NP-2000 prop blade upgrades		[55,000]
050	C-130J MODS	141,686	141,686
051	C-135	124,491	124,491
053	COMPASS CALL	110,754	110,754

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Line	Item	FY 2020 Request	House Authorized
054	COMBAT FLIGHT INSPECTION—CFIN	508	508
055	RC-135	227,673	227,673
056	E-3	216,299	216,299
057	E-4	58,477	58,477
058	E-8	28,778	56,778
	Increase for re-engining		[28,000]
059	AIRBORNE WARNING AND CNTRL SYS (AWACS) 40/45	36,000	36,000
060	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	7,910	7,910
061	H-1	3,817	3,817
062	H-60	20,879	20,879
063	RQ-4 MODS	1,704	1,704
064	HC/MC-130 MODIFICATIONS	51,482	51,482
065	OTHER AIRCRAFT	50,098	50,098
066	MQ-9 MODS	383,594	251,594
	Production rate adjustment of DAS-4 sensor		[-132,000]
068	CV-22 MODS	65,348	65,348
	AIRCRAFT SPARES AND REPAIR PARTS		
069	INITIAL SPARES/REPAIR PARTS	708,230	584,830
	Unjustified F-15C requirements		[-123,400]
	COMMON SUPPORT EQUIPMENT		
072	AIRCRAFT REPLACEMENT SUPPORT EQUIP	84,938	84,938
	POST PRODUCTION SUPPORT		
073	B-2A	1,403	1,403
074	B-2B	42,234	42,234
075	B-52	4,641	4,641
076	C-17A	124,805	124,805
079	F-15	2,589	2,589
081	F-16	15,348	14,748
	Line shutdown early to need		[-600]
084	RQ-4 POST PRODUCTION CHARGES	47,246	47,246
	INDUSTRIAL PREPAREDNESS		
086	INDUSTRIAL RESPONSIVENESS	17,705	17,705
	WAR CONSUMABLES		
087	WAR CONSUMABLES	32,102	32,102
	OTHER PRODUCTION CHARGES		
088	OTHER PRODUCTION CHARGES	1,194,728	1,106,728
	F-22 NGEN lab excess		[-72,000]
	RQ-4 delayed obligations		[-16,000]
	CLASSIFIED PROGRAMS		
090A	CLASSIFIED PROGRAMS	34,193	34,193
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	16,784,279	17,747,801
	MISSILE PROCUREMENT, AIR FORCE		
	MISSILE REPLACEMENT EQUIPMENT—BALLISTIC		
001	MISSILE REPLACEMENT EQ-BALLISTIC	55,888	55,888
	TACTICAL		
002	REPLAC EQUIP & WAR CONSUMABLES	9,100	9,100
003	JOINT AIR-TO-GROUND MUNITION	15,000	0
	Unjustified requirement (JAGM-F)		[-15,000]
004	JOINT AIR-SURFACE STANDOFF MISSILE	482,525	482,525
006	SIDEWINDER (AIM-9X)	160,408	160,408
007	AMRAAM	332,250	332,250
008	PREDATOR HELLFIRE MISSILE	118,860	111,160
	Unit cost savings		[-7,700]
009	SMALL DIAMETER BOMB	275,438	275,438
010	SMALL DIAMETER BOMB II	212,434	201,434
	Unit cost growth		[-11,000]
	INDUSTRIAL FACILITIES		
011	INDUSTRL PREPAREDNS/POL PREVENTION	801	801
	CLASS IV		
012	ICBM FUZE MOD	5,000	5,000
013	ICBM FUZE MOD	14,497	14,497
014	MM III MODIFICATIONS	50,831	50,831
015	AGM-63D MAVERICK	294	294
016	AIR LAUNCH CRUISE MISSILE (ALCM)	77,387	77,387
	MISSILE SPARES AND REPAIR PARTS		
018	MSL SPRS/REPAIR PARTS (INITIAL)	1,910	1,910
019	REPLEN SPARES/REPAIR PARTS	82,490	82,490
	SPECIAL PROGRAMS		
023	SPECIAL UPDATE PROGRAMS	144,553	144,553
	CLASSIFIED PROGRAMS		
023A	CLASSIFIED PROGRAMS	849,521	849,521
	TOTAL MISSILE PROCUREMENT, AIR FORCE	2,889,187	2,855,487
	SPACE PROCUREMENT, AIR FORCE		
	SPACE PROGRAMS		
001	ADVANCED EHF	31,894	31,894
002	AF SATELLITE COMM SYSTEM	56,298	56,298

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
004	COUNTERSPACE SYSTEMS	5,700	5,700
005	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	34,020	24,020
	Unjustified growth		[-10,000]
007	GENERAL INFORMATION TECH—SPACE	3,244	3,244
008	GPSIII FOLLOW ON	414,625	414,625
009	GPS III SPACE SEGMENT	31,466	31,466
012	SPACEBORNE EQUIP (COMSEC)	32,031	32,031
013	MILSATCOM	11,096	11,096
015	EVOLVED EXPENDABLE LAUNCH VEH(SPACE)	1,237,635	1,237,635
016	SBIR HIGH (SPACE)	233,952	218,012
	Unjustified growth		[-15,940]
017	NUDET DETECTION SYSTEM	7,432	7,432
018	ROCKET SYSTEMS LAUNCH PROGRAM	11,473	11,473
019	SPACE FENCE	71,784	50,284
	Unjustified growth		[-21,500]
020	SPACE MODS	106,330	86,330
	Unjustified growth		[-20,000]
021	SPACELIFT RANGE SYSTEM SPACE	118,140	118,140
	SSPARES		
022	SPARES AND REPAIR PARTS	7,263	7,263
	TOTAL SPACE PROCUREMENT, AIR FORCE	2,414,383	2,346,943
	PROCUREMENT OF AMMUNITION, AIR FORCE		
	ROCKETS		
001	ROCKETS	133,268	115,268
	APKWS Mk 66 rocket motor price adjustment		[-18,000]
	CARTRIDGES		
002	CARTRIDGES	140,449	140,449
	BOMBS		
003	PRACTICE BOMBS	29,313	29,313
004	GENERAL PURPOSE BOMBS	85,885	85,885
006	JOINT DIRECT ATTACK MUNITION	1,066,224	1,019,224
	LJDAM sensor cost adjustment		[-10,000]
	Tailkit unit cost adjustment		[-37,000]
007	B61	80,773	80,773
	OTHER ITEMS		
009	CAD/PAD	47,069	47,069
010	EXPLOSIVE ORDNANCE DISPOSAL (EOD)	6,133	6,133
011	SPARES AND REPAIR PARTS	533	533
012	MODIFICATIONS	1,291	1,291
013	ITEMS LESS THAN \$5,000,000	1,677	1,677
	FLARES		
015	FLARES	36,116	36,116
	FUZES		
016	FUZES	1,734	1,734
	SMALL ARMS		
017	SMALL ARMS	37,496	37,496
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE	1,667,961	1,602,961
	OTHER PROCUREMENT, AIR FORCE		
	PASSENGER CARRYING VEHICLES		
001	PASSENGER CARRYING VEHICLES	15,238	15,238
	CARGO AND UTILITY VEHICLES		
002	MEDIUM TACTICAL VEHICLE	34,616	29,616
	Unjustified unit cost increases		[-5,000]
003	CAP VEHICLES	1,040	3,567
	Program increase—communications		[1,867]
	Program increase—vehicles		[660]
004	CARGO AND UTILITY VEHICLES	23,133	18,133
	Program reduction		[-5,000]
	SPECIAL PURPOSE VEHICLES		
005	JOINT LIGHT TACTICAL VEHICLE	32,027	22,027
	Program reduction		[-10,000]
006	SECURITY AND TACTICAL VEHICLES	1,315	1,315
007	SPECIAL PURPOSE VEHICLES	14,593	9,593
	Program reduction—prior year carryover		[-5,000]
	FIRE FIGHTING EQUIPMENT		
008	FIRE FIGHTING/CRASH RESCUE VEHICLES	28,604	28,604
	MATERIALS HANDLING EQUIPMENT		
009	MATERIALS HANDLING VEHICLES	21,848	21,848
	BASE MAINTENANCE SUPPORT		
010	RUNWAY SNOW REMOV AND CLEANING EQU	2,925	2,925
011	BASE MAINTENANCE SUPPORT VEHICLES	55,776	50,776
	Program reduction		[-5,000]
	COMM SECURITY EQUIPMENT(COMSEC)		
013	COMSEC EQUIPMENT	91,461	91,461
	INTELLIGENCE PROGRAMS		
014	INTERNATIONAL INTEL TECH & ARCHITECTURES	11,386	11,386

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
015	INTELLIGENCE TRAINING EQUIPMENT	7,619	7,619
016	INTELLIGENCE COMM EQUIPMENT	35,558	32,058
	IMAD unjustified procurement		[-3,500]
	ELECTRONICS PROGRAMS		
017	AIR TRAFFIC CONTROL & LANDING SYS	17,939	17,939
019	BATTLE CONTROL SYSTEM—FIXED	3,063	3,063
021	WEATHER OBSERVATION FORECAST	31,447	31,447
022	STRATEGIC COMMAND AND CONTROL	5,090	5,090
023	CHEYENNE MOUNTAIN COMPLEX	10,145	10,145
024	MISSION PLANNING SYSTEMS	14,508	14,508
026	INTEGRATED STRAT PLAN & ANALY NETWORK (ISPAN)	9,901	9,901
	SPCL COMM-ELECTRONICS PROJECTS		
027	GENERAL INFORMATION TECHNOLOGY	26,933	26,933
028	AF GLOBAL COMMAND & CONTROL SYS	2,756	2,756
029	BATTLEFIELD AIRBORNE CONTROL NODE (BACN)	48,478	48,478
030	MOBILITY COMMAND AND CONTROL	21,186	21,186
031	AIR FORCE PHYSICAL SECURITY SYSTEM	178,361	158,361
	Program reduction		[-20,000]
032	COMBAT TRAINING RANGES	233,993	247,593
	Joint threat emitter increase		[13,600]
033	MINIMUM ESSENTIAL EMERGENCY COMM N	132,648	132,648
034	WIDE AREA SURVEILLANCE (WAS)	80,818	80,818
035	C3 COUNTERMEASURES	25,036	25,036
036	INTEGRATED PERSONNEL AND PAY SYSTEM	20,900	20,900
037	GCSS-AF FOS	11,226	11,226
038	DEFENSE ENTERPRISE ACCOUNTING & MGT SYS	1,905	1,905
039	MAINTENANCE REPAIR & OVERHAUL INITIATIVE	1,912	1,912
040	THEATER BATTLE MGT C2 SYSTEM	6,337	6,337
041	AIR & SPACE OPERATIONS CENTER (AOC)	33,243	33,243
	AIR FORCE COMMUNICATIONS		
043	BASE INFORMATION TRANSPRT INFRAST (BITI) WIRED	69,530	59,530
	Program decrease		[-10,000]
044	AFNET	147,063	147,063
045	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	6,505	6,505
046	USCENTCOM	20,190	20,190
047	USSTRATCOM	11,244	11,244
	ORGANIZATION AND BASE		
048	TACTICAL C-E EQUIPMENT	143,757	143,757
050	RADIO EQUIPMENT	15,402	15,402
051	CCTV/AUDIOVISUAL EQUIPMENT	3,211	3,211
052	BASE COMM INFRASTRUCTURE	43,123	43,123
	MODIFICATIONS		
053	COMM ELECT MODS	14,500	14,500
	PERSONAL SAFETY & RESCUE EQUIP		
054	PERSONAL SAFETY AND RESCUE EQUIPMENT	50,634	47,634
	Unit cost increase and early to need		[-3,000]
	DEPOT PLANT+MTRLS HANDLING EQ		
055	POWER CONDITIONING EQUIPMENT	11,000	11,000
056	MECHANIZED MATERIAL HANDLING EQUIP	11,901	11,901
	BASE SUPPORT EQUIPMENT		
057	BASE PROCURED EQUIPMENT	23,963	23,963
058	ENGINEERING AND EOD EQUIPMENT	34,124	34,124
059	MOBILITY EQUIPMENT	26,439	26,439
060	FUELS SUPPORT EQUIPMENT (FSE)	24,255	24,255
061	BASE MAINTENANCE AND SUPPORT EQUIPMENT	38,986	38,986
	SPECIAL SUPPORT PROJECTS		
063	DARP RC135	26,716	26,716
064	DCGS-AF	116,055	116,055
066	SPECIAL UPDATE PROGRAM	835,148	835,148
	CLASSIFIED PROGRAMS		
066A	CLASSIFIED PROGRAMS	18,292,807	18,292,807
	SPARES AND REPAIR PARTS		
067	SPARES AND REPAIR PARTS	81,340	81,340
	TOTAL OTHER PROCUREMENT, AIR FORCE	21,342,857	21,292,484
	PROCUREMENT, DEFENSE-WIDE		
	MAJOR EQUIPMENT, OSD		
022	MAJOR EQUIPMENT, DPAA	1,504	1,504
045	MAJOR EQUIPMENT, OSD	43,705	43,705
	MAJOR EQUIPMENT, NSA		
044	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)	1,533	133
	Realignment to DISA for Sharkseer		[-1,400]
	MAJOR EQUIPMENT, WHS		
049	MAJOR EQUIPMENT, WHS	507	507
	MAJOR EQUIPMENT, DISA		
008	INFORMATION SYSTEMS SECURITY	3,318	4,718
	Realignment for Sharkseer		[1,400]
009	TELEPORT PROGRAM	25,103	25,103

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
010	ITEMS LESS THAN \$5 MILLION	26,416	26,416
012	DEFENSE INFORMATION SYSTEM NETWORK	17,574	17,574
014	WHITE HOUSE COMMUNICATION AGENCY	45,079	45,079
015	SENIOR LEADERSHIP ENTERPRISE	78,669	78,669
016	JOINT REGIONAL SECURITY STACKS (JRSS)	88,000	83,000
	Program decrease		[-5,000]
017	JOINT SERVICE PROVIDER	107,907	107,907
	MAJOR EQUIPMENT, DLA		
019	MAJOR EQUIPMENT	8,122	8,122
	MAJOR EQUIPMENT, DSS		
023	MAJOR EQUIPMENT	496	496
	MAJOR EQUIPMENT, TJS		
046	MAJOR EQUIPMENT, TJS	6,905	6,905
047	MAJOR EQUIPMENT—TJS CYBER	1,458	1,458
	MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY		
028	THAAD	425,863	425,863
029	GROUND BASED MDCOURSE	9,471	9,471
031	AEGIS BMD	600,773	600,773
032	AEGIS BMD	96,995	96,995
033	BMDs AN/TPY-2 RADARS	10,046	10,046
034	ARROW 3 UPPER TIER SYSTEMS	55,000	55,000
035	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD)	50,000	50,000
036	AEGIS ASHORE PHASE III	25,659	25,659
037	IRON DOME	95,000	95,000
038	AEGIS BMD HARDWARE AND SOFTWARE	124,986	124,986
	MAJOR EQUIPMENT, DHRA		
003	PERSONNEL ADMINISTRATION	5,030	5,030
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY		
025	VEHICLES	211	211
026	OTHER MAJOR EQUIPMENT	11,521	11,521
	MAJOR EQUIPMENT, DODEA		
021	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS	1,320	1,320
	MAJOR EQUIPMENT, DCMA		
002	MAJOR EQUIPMENT	2,432	2,432
	MAJOR EQUIPMENT, DMACT		
020	MAJOR EQUIPMENT	10,961	10,961
	CLASSIFIED PROGRAMS		
049A	CLASSIFIED PROGRAMS	589,366	589,366
	AVIATION PROGRAMS		
053	ROTARY WING UPGRADES AND SUSTAINMENT	172,020	172,020
054	UNMANNED ISR	15,208	15,208
055	NON-STANDARD AVIATION	32,310	32,310
056	U-28	10,898	10,898
057	MH-47 CHINOOK	173,812	170,312
	Excess growth		[-3,500]
058	CV-22 MODIFICATION	17,256	17,256
059	MQ-9 UNMANNED AERIAL VEHICLE	5,338	5,338
060	PRECISION STRIKE PACKAGE	232,930	232,930
061	AC/MC-130J	173,419	153,119
	Redignment for RFCM		[-8,500]
	Redignment to Future Vertical Lift		[-8,800]
	RFCM excess to need		[-3,000]
062	C-130 MODIFICATIONS	15,582	15,582
	SHIPBUILDING		
063	UNDERWATER SYSTEMS	58,991	58,991
	AMMUNITION PROGRAMS		
064	ORDNANCE ITEMS <\$5M	279,992	279,992
	OTHER PROCUREMENT PROGRAMS		
065	INTELLIGENCE SYSTEMS	100,641	100,641
066	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	12,522	12,522
067	OTHER ITEMS <\$5M	103,910	103,910
068	COMBATANT CRAFT SYSTEMS	33,088	33,088
069	SPECIAL PROGRAMS	63,467	63,467
070	TACTICAL VEHICLES	77,832	77,832
071	WARRIOR SYSTEMS <\$5M	298,480	298,480
072	COMBAT MISSION REQUIREMENTS	19,702	19,702
073	GLOBAL VIDEO SURVEILLANCE ACTIVITIES	4,787	4,787
074	OPERATIONAL ENHANCEMENTS INTELLIGENCE	8,175	8,175
075	OPERATIONAL ENHANCEMENTS	282,532	282,532
	CBDP		
076	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS	162,406	162,406
077	CB PROTECTION & HAZARD MITIGATION	188,188	188,188
	TOTAL PROCUREMENT, DEFENSE-WIDE	5,114,416	5,085,616
	JOINT URGENT OPERATIONAL NEEDS FUND		
	JOINT URGENT OPERATIONAL NEEDS FUND		
001	JOINT URGENT OPERATIONAL NEEDS FUND	99,200	0
	Program decrease		[-99,200]

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
	TOTAL JOINT URGENT OPERATIONAL NEEDS FUND	99,200	0
	TOTAL PROCUREMENT	132,343,701	130,647,919

1 SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY
2 OPERATIONS.

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
	AIRCRAFT PROCUREMENT, ARMY		
	FIXED WING		
003	MQ-1 UAV	54,000	54,000
	ROTARY		
015	CH-47 HELICOPTER	25,000	25,000
	MODIFICATION OF AIRCRAFT		
021	MULTI SENSOR ABN RECON (MIP)	80,260	80,260
024	GRCS SEMA MODS (MIP)	750	750
026	EMARSS SEMA MODS (MIP)	22,180	22,180
027	UTILITY/CARGO AIRPLANE MODS	8,362	8,362
029	NETWORK AND MISSION PLAN	10	10
031	DEGRADED VISUAL ENVIRONMENT	49,450	0
	Early to need		[-49,450]
	GROUND SUPPORT AVIONICS		
037	CMWS	130,219	130,219
038	COMMON INFRARED COUNTERMEASURES (CIRCM)	9,310	9,310
	OTHER SUPPORT		
045	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2	2,000	2,000
	TOTAL AIRCRAFT PROCUREMENT, ARMY	381,541	332,091
	MISSILE PROCUREMENT, ARMY		
	SURFACE-TO-AIR MISSILE SYSTEM		
002	M-SHORAD—PROCUREMENT	158,300	158,300
003	MSE MISSILE	37,938	37,938
	AIR-TO-SURFACE MISSILE SYSTEM		
006	HELLFIRE SYS SUMMARY	236,265	236,265
	ANTI-TANK/ASSAULT MISSILE SYS		
008	JAVELIN (AAWS-M) SYSTEM SUMMARY	4,389	4,389
011	GUIDED MLRS ROCKET (GMLRS)	431,596	431,596
014	ARMY TACTICAL MSL SYS (ATACMS)—SYS SUM	130,770	130,770
015	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)	83,300	83,300
	MODIFICATIONS		
019	STINGER MODS	7,500	7,500
022	MLRS MODS	348,000	325,000
	Excess to need		[-23,000]
	TOTAL MISSILE PROCUREMENT, ARMY	1,438,058	1,415,058
	PROCUREMENT OF W&TCV, ARMY		
	TRACKED COMBAT VEHICLES		
002	ARMORED MULTI PURPOSE VEHICLE (AMPV)	221,638	221,638
	MODIFICATION OF TRACKED COMBAT VEHICLES		
003	STRYKER (MOD)	4,100	4,100
008	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	80,146	80,146
013	M1 ABRAMS TANK (MOD)	13,100	13,100
	WEAPONS & OTHER COMBAT VEHICLES		
015	M240 MEDIUM MACHINE GUN (7.62MM)	900	900
016	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S	2,400	2,400
019	MORTAR SYSTEMS	18,941	18,941
020	XM320 GRENADE LAUNCHER MODULE (GLM)	526	526
023	CARBINE	1,183	1,183
025	COMMON REMOTELY OPERATED WEAPONS STATION	4,182	4,182
026	HANDGUN	248	248
	MOD OF WEAPONS AND OTHER COMBAT VEH		
031	M2 50 CAL MACHINE GUN MODS	6,090	6,090
	TOTAL PROCUREMENT OF W&TCV, ARMY	353,454	353,454
	PROCUREMENT OF AMMUNITION, ARMY		
	SMALL/MEDIUM CAL AMMUNITION		
001	CTG, 5.56MM, ALL TYPES	567	567
002	CTG, 7.62MM, ALL TYPES	40	40
003	CTG, HANDGUN, ALL TYPES	17	17
004	CTG, .50 CAL, ALL TYPES	189	189

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
007	CTG, 30MM, ALL TYPES	24,900	24,900
	ARTILLERY AMMUNITION		
015	PROJ 155MM EXTENDED RANGE M982	36,052	36,052
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL	7,271	7,271
	ROCKETS		
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	176	176
019	ROCKET, HYDRA 70, ALL TYPES	79,459	79,459
	MISCELLANEOUS		
027	ITEMS LESS THAN \$5 MILLION (AMMO)	11	11
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	148,682	148,682
	OTHER PROCUREMENT, ARMY		
	TACTICAL VEHICLES		
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	26,917	26,917
011	PLS ESP	16,941	16,941
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	62,734	62,734
014	TACTICAL WHEELED VEHICLE PROTECTION KITS	50,000	50,000
015	MODIFICATION OF IN SVC EQUIP	28,000	28,000
	COMM—JOINT COMMUNICATIONS		
022	TACTICAL NETWORK TECHNOLOGY MOD IN SVC	40,000	40,000
	COMM—SATELLITE COMMUNICATIONS		
029	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	6,930	6,930
031	ASSURED POSITIONING, NAVIGATION AND TIMING	11,778	11,778
032	SMART-T (SPACE)	825	825
	COMM—COMBAT COMMUNICATIONS		
040	RADIO TERMINAL SET, MIDS LVT(2)	350	350
047	COTS COMMUNICATIONS EQUIPMENT	20,400	20,400
048	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE	1,231	1,231
	COMM—INTELLIGENCE COMM		
051	CI AUTOMATION ARCHITECTURE (MIP)	6,200	6,200
	COMM—LONG HAUL COMMUNICATIONS		
059	BASE SUPPORT COMMUNICATIONS	20,482	15,482
	Insufficient budget justification		[-5,000]
	COMM—BASE COMMUNICATIONS		
060	INFORMATION SYSTEMS	55,800	50,800
	Unjustified growth		[-5,000]
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	75,820	75,820
	ELECT EQUIP—TACT INT REL ACT (TIARA)		
068	DCGS-A (MIP)	38,613	38,613
070	TROJAN (MIP)	1,337	1,337
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	2,051	2,051
075	BIOMETRIC TACTICAL COLLECTION DEVICES (MIP)	1,800	1,800
	ELECT EQUIP—ELECTRONIC WARFARE (EW)		
082	FAMILY OF PERSISTENT SURVEILLANCE CAP. (MIP)	71,493	31,493
	Unjustified growth		[-40,000]
083	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	6,917	6,917
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)		
085	SENTINEL MODS	20,000	20,000
086	NIGHT VISION DEVICES	3,676	3,676
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P)	25,568	25,568
097	COMPUTER BALLISTICS: LHMCB XM32	570	570
098	MORTAR FIRE CONTROL SYSTEM	15,975	15,975
	ELECT EQUIP—TACTICAL C2 SYSTEMS		
103	AIR & MSL DEFENSE PLANNING & CONTROL SYS	14,331	14,331
	ELECT EQUIP—AUTOMATION		
112	ARMY TRAINING MODERNIZATION	6,014	6,014
113	AUTOMATED DATA PROCESSING EQUIP	32,700	32,700
	CHEMICAL DEFENSIVE EQUIPMENT		
124	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	25,480	25,480
125	BASE DEFENSE SYSTEMS (BDS)	47,110	47,110
126	CBRN DEFENSE	18,711	18,711
	BRIDGING EQUIPMENT		
128	TACTICAL BRIDGING	4,884	4,884
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT		
133	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)	4,500	4,500
135	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	34,253	34,253
136	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)	3,300	3,300
140	RENDER SAFE SETS KITS OUTFITS	84,000	84,000
	COMBAT SERVICE SUPPORT EQUIPMENT		
143	HEATERS AND ECUS	8	8
145	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	5,101	5,101
146	GROUND SOLDIER SYSTEM	1,760	1,760
148	FORCE PROVIDER	56,400	56,400
150	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	2,040	2,040
	PETROLEUM EQUIPMENT		
154	DISTRIBUTION SYSTEMS, PETROLEUM & WATER	13,986	13,986
	MEDICAL EQUIPMENT		
155	COMBAT SUPPORT MEDICAL	2,735	2,735

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
CONSTRUCTION EQUIPMENT			
159	SCRAPERS, EARTHMOVING	4,669	4,669
160	LOADERS	380	380
162	TRACTOR, FULL TRACKED	8,225	8,225
164	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	3,000	3,000
166	CONST EQUIP ESP	3,870	3,870
167	ITEMS LESS THAN \$5.0M (CONST EQUIP)	350	350
GENERATORS			
171	GENERATORS AND ASSOCIATED EQUIP	2,436	2,436
MATERIAL HANDLING EQUIPMENT			
173	FAMILY OF FORKLIFTS	5,152	5,152
TRAINING EQUIPMENT			
175	TRAINING DEVICES, NONSYSTEM	2,106	2,106
TEST MEASURE AND DIG EQUIPMENT (TMD)			
181	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	1,395	1,395
OTHER SUPPORT EQUIPMENT			
184	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	24,122	24,122
185	PHYSICAL SECURITY SYSTEMS (OPA3)	10,016	10,016
187	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	33,354	33,354
189	BUILDING, PRE-FAB, RELOCATABLE	62,654	62,654
	TOTAL OTHER PROCUREMENT, ARMY	1,131,450	1,081,450
AIRCRAFT PROCUREMENT, NAVY			
OTHER AIRCRAFT			
026	STUASLO UAV	7,921	7,921
027	MQ-9A REAPER	77,000	0
	Unjustified OCO request		[-77,000]
MODIFICATION OF AIRCRAFT			
036	EP-3 SERIES	5,488	5,488
046	SPECIAL PROJECT AIRCRAFT	3,498	3,498
051	COMMON ECM EQUIPMENT	3,406	3,406
053	COMMON DEFENSIVE WEAPON SYSTEM	3,274	3,274
062	QRC	18,458	18,458
	TOTAL AIRCRAFT PROCUREMENT, NAVY	119,045	42,045
WEAPONS PROCUREMENT, NAVY			
TACTICAL MISSILES			
011	JOINT AIR GROUND MISSILE (JAGM)	90,966	90,966
015	AERIAL TARGETS	6,500	6,500
	TOTAL WEAPONS PROCUREMENT, NAVY	97,466	97,466
PROCUREMENT OF AMMO, NAVY & MC			
NAVY AMMUNITION			
001	GENERAL PURPOSE BOMBS	26,978	26,978
002	JDAM	12,263	12,263
003	AIRBORNE ROCKETS, ALL TYPES	45,020	45,020
004	MACHINE GUN AMMUNITION	33,577	33,577
005	PRACTICE BOMBS	11,903	11,903
006	CARTRIDGES & CART ACTUATED DEVICES	15,081	15,081
007	AIR EXPENDABLE COUNTERMEASURES	16,911	16,911
011	OTHER SHIP GUN AMMUNITION	3,262	3,262
012	SMALL ARMS & LANDING PARTY AMMO	1,010	1,010
013	PYROTECHNIC AND DEMOLITION	537	537
MARINE CORPS AMMUNITION			
016	MORTARS	1,930	1,930
017	DIRECT SUPPORT MUNITIONS	1,172	1,172
018	INFANTRY WEAPONS AMMUNITION	2,158	2,158
019	COMBAT SUPPORT MUNITIONS	965	965
021	ARTILLERY MUNITIONS	32,047	32,047
	TOTAL PROCUREMENT OF AMMO, NAVY & MC	204,814	204,814
OTHER PROCUREMENT, NAVY			
OTHER SHIPBOARD EQUIPMENT			
020	UNDERWATER EOD PROGRAMS	5,800	5,800
ASW ELECTRONIC EQUIPMENT			
042	FIXED SURVEILLANCE SYSTEM	310,503	310,503
SONOBUOYS			
085	SONOBUOYS—ALL TYPES	2,910	2,910
AIRCRAFT SUPPORT EQUIPMENT			
088	AIRCRAFT SUPPORT EQUIPMENT	13,420	13,420
094	AVIATION SUPPORT EQUIPMENT	500	500
OTHER ORDNANCE SUPPORT EQUIPMENT			
103	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	15,307	15,307
CIVIL ENGINEERING SUPPORT EQUIPMENT			
108	PASSENGER CARRYING VEHICLES	173	173
109	GENERAL PURPOSE TRUCKS	408	408
111	FIRE FIGHTING EQUIPMENT	785	785
SUPPLY SUPPORT EQUIPMENT			

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
117	SUPPLY EQUIPMENT	100	100
118	FIRST DESTINATION TRANSPORTATION	510	510
	COMMAND SUPPORT EQUIPMENT		
122	COMMAND SUPPORT EQUIPMENT	2,800	2,800
123	MEDICAL SUPPORT EQUIPMENT	1,794	1,794
126	OPERATING FORCES SUPPORT EQUIPMENT	1,090	1,090
128	ENVIRONMENTAL SUPPORT EQUIPMENT	200	200
129	PHYSICAL SECURITY EQUIPMENT	1,300	1,300
	TOTAL OTHER PROCUREMENT, NAVY	357,600	357,600
	PROCUREMENT, MARINE CORPS		
	GUIDED MISSILES		
012	GUIDED MLRS ROCKET (GMLRS)	16,919	16,919
	ENGINEER AND OTHER EQUIPMENT		
045	EOD SYSTEMS	3,670	3,670
	TOTAL PROCUREMENT, MARINE CORPS	20,589	20,589
	AIRCRAFT PROCUREMENT, AIR FORCE		
	OTHER AIRCRAFT		
017	MQ-9	172,240	172,240
018	RQ-20B PUMA	12,150	12,150
	STRATEGIC AIRCRAFT		
022	LARGE AIRCRAFT INFRARED COUNTERMEASURES	53,335	53,335
	OTHER AIRCRAFT		
067	MQ-9 UAS PAYLOADS	19,800	19,800
	AIRCRAFT SPARES AND REPAIR PARTS		
069	INITIAL SPARES/REPAIR PARTS	44,560	44,560
	COMMON SUPPORT EQUIPMENT		
072	AIRCRAFT REPLACEMENT SUPPORT EQUIP	7,025	7,025
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	309,110	309,110
	MISSILE PROCUREMENT, AIR FORCE		
	TACTICAL		
004	JOINT AIR-SURFACE STANDOFF MISSILE	20,900	20,900
008	PREDATOR HELLFIRE MISSILE	180,771	180,771
	TOTAL MISSILE PROCUREMENT, AIR FORCE	201,671	201,671
	PROCUREMENT OF AMMUNITION, AIR FORCE		
	ROCKETS		
001	ROCKETS	84,960	84,960
	CARTRIDGES		
002	CARTRIDGES	52,642	52,642
	BOMBS		
004	GENERAL PURPOSE BOMBS	545,309	545,309
	FLARES		
015	FLARES	93,272	93,272
	FUZES		
016	FUZES	157,155	157,155
	SMALL ARMS		
017	SMALL ARMS	6,095	6,095
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE	939,433	939,433
	OTHER PROCUREMENT, AIR FORCE		
	PASSENGER CARRYING VEHICLES		
001	PASSENGER CARRYING VEHICLES	1,276	1,276
	CARGO AND UTILITY VEHICLES		
004	CARGO AND UTILITY VEHICLES	9,702	9,702
	SPECIAL PURPOSE VEHICLES		
005	JOINT LIGHT TACTICAL VEHICLE	40,999	40,999
007	SPECIAL PURPOSE VEHICLES	52,502	52,502
	FIRE FIGHTING EQUIPMENT		
008	FIRE FIGHTING/CRASH RESCUE VEHICLES	16,652	16,652
	MATERIALS HANDLING EQUIPMENT		
009	MATERIALS HANDLING VEHICLES	2,944	2,944
	BASE MAINTENANCE SUPPORT		
010	RUNWAY SNOW REMOV AND CLEANING EQU	3,753	3,753
011	BASE MAINTENANCE SUPPORT VEHICLES	11,837	11,837
	SPCL COMM-ELECTRONICS PROJECTS		
027	GENERAL INFORMATION TECHNOLOGY	5,000	5,000
031	AIR FORCE PHYSICAL SECURITY SYSTEM	106,919	106,919
	ORGANIZATION AND BASE		
048	TACTICAL C-E EQUIPMENT	306	306
052	BASE COMM INFRASTRUCTURE	4,300	4,300
	PERSONAL SAFETY & RESCUE EQUIP		
054	PERSONAL SAFETY AND RESCUE EQUIPMENT	22,200	22,200
	BASE SUPPORT EQUIPMENT		
059	MOBILITY EQUIPMENT	26,535	26,535
060	FUELS SUPPORT EQUIPMENT (FSE)	4,040	4,040

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
061	BASE MAINTENANCE AND SUPPORT EQUIPMENT	20,067	20,067
	CLASSIFIED PROGRAMS		
066A	CLASSIFIED PROGRAMS	3,209,066	3,209,066
	TOTAL OTHER PROCUREMENT, AIR FORCE	3,538,098	3,538,098
	PROCUREMENT, DEFENSE-WIDE		
	MAJOR EQUIPMENT, DISA		
009	TELEPORT PROGRAM	3,800	3,800
012	DEFENSE INFORMATION SYSTEM NETWORK	12,000	12,000
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY		
027	COUNTER IED & IMPROVISED THREAT TECHNOLOGIES	4,590	4,590
	CLASSIFIED PROGRAMS		
049A	CLASSIFIED PROGRAMS	51,380	51,380
	AVIATION PROGRAMS		
050	MANNED ISR	5,000	5,000
051	MC-12	5,000	5,000
052	MH-60 BLACKHAWK	28,100	28,100
054	UNMANNED ISR	8,207	8,207
056	U-28	31,500	31,500
057	MH-47 CHINOOK	37,500	34,500
	<i>Excess growth</i>		[-3,000]
059	MQ-9 UNMANNED AERIAL VEHICLE	1,900	1,900
	AMMUNITION PROGRAMS		
064	ORDNANCE ITEMS <\$5M	138,252	138,252
	OTHER PROCUREMENT PROGRAMS		
065	INTELLIGENCE SYSTEMS	16,500	16,500
067	OTHER ITEMS <\$5M	28	28
070	TACTICAL VEHICLES	2,990	2,990
071	WARRIOR SYSTEMS <\$5M	37,512	37,512
072	COMBAT MISSION REQUIREMENTS	10,000	10,000
074	OPERATIONAL ENHANCEMENTS INTELLIGENCE	7,594	7,594
075	OPERATIONAL ENHANCEMENTS	45,194	45,194
	TOTAL PROCUREMENT, DEFENSE-WIDE	447,047	444,047
	NATIONAL GUARD AND RESERVE EQUIPMENT		
	UNDISTRIBUTED		
	<i>Program increase</i>		[415,000]
	TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT		415,000
	TOTAL PROCUREMENT	9,688,058	9,900,608

1 **TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**
2 **OPMENT, TEST, AND EVALUA-**
3 **TION**
4 **SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**
5 **TION.**

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
		RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY		
		BASIC RESEARCH		
002	0601102A	DEFENSE RESEARCH SCIENCES	297,976	297,976
003	0601103A	UNIVERSITY RESEARCH INITIATIVES	65,858	65,858
004	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	86,164	98,164
		<i>Program increase</i>		[7,000]
		<i>Program increase—military medical innovation</i>		[5,000]
005	0601121A	CYBER COLLABORATIVE RESEARCH ALLIANCE	4,982	4,982
		SUBTOTAL BASIC RESEARCH	454,980	466,980
		APPLIED RESEARCH		
010	0602141A	LETHALITY TECHNOLOGY	26,961	26,961
011	0602142A	ARMY APPLIED RESEARCH	25,319	25,319
012	0602143A	SOLDIER LETHALITY TECHNOLOGY	115,274	125,274
		<i>Expeditionary mobile base camp technology</i>		[5,000]

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
		<i>HEROES program</i>		[5,000]
013	0602144A	GROUND TECHNOLOGY	35,199	45,199
		<i>High performance polymers research</i>		[5,000]
		<i>Manufacturing research technology</i>		[5,000]
014	0602145A	NEXT GENERATION COMBAT VEHICLE TECHNOLOGY	219,047	225,047
		<i>Structural thermoplastics</i>		[6,000]
015	0602146A	NETWORK C3I TECHNOLOGY	114,516	120,016
		<i>Assured PNT lab</i>		[3,000]
		<i>Next generation SAR small sat</i>		[2,500]
016	0602147A	LONG RANGE PRECISION FIRES TECHNOLOGY	74,327	79,327
		<i>NextGen propulsion cycle artillery range extension</i>		[5,000]
017	0602148A	FUTURE VERTICLE LIFT TECHNOLOGY	93,601	93,601
018	0602150A	AIR AND MISSILE DEFENSE TECHNOLOGY	50,771	50,771
020	0602213A	C3I APPLIED CYBER	18,947	18,947
023	0602307A	ADVANCED WEAPONS TECHNOLOGY		5,000
		<i>Directed energy test range workloads</i>		[5,000]
037	0602784A	MILITARY ENGINEERING TECHNOLOGY		5,000
		<i>Cellulose nanocomposites research</i>		[5,000]
038	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	20,873	20,873
040	0602787A	MEDICAL TECHNOLOGY	99,155	99,155
		SUBTOTAL APPLIED RESEARCH	893,990	940,490
		ADVANCED TECHNOLOGY DEVELOPMENT		
041	0603001A	WARFIGHTER ADVANCED TECHNOLOGY		5,000
		<i>Expeditionary maneuver support technologies</i>		[5,000]
042	0603002A	MEDICAL ADVANCED TECHNOLOGY	42,030	42,030
047	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	11,038	11,038
050	0603117A	ARMY ADVANCED TECHNOLOGY DEVELOPMENT	63,338	63,338
051	0603118A	SOLDIER LETHALITY ADVANCED TECHNOLOGY	118,468	128,468
		<i>Microlattice technology for combat helmet improvements</i>		[5,000]
		<i>Thermal mitigation technologies</i>		[5,000]
052	0603119A	GROUND ADVANCED TECHNOLOGY	12,593	17,593
		<i>Ground advanced technology for cold regions</i>		[5,000]
059	0603457A	C3I CYBER ADVANCED DEVELOPMENT	13,769	13,769
060	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	184,755	224,755
		<i>Program increase</i>		[40,000]
061	0603462A	NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY	160,035	170,035
		<i>Program increase—hydrogen fuel cells</i>		[10,000]
062	0603463A	NETWORK C3I ADVANCED TECHNOLOGY	106,899	103,899
		<i>Underexecution</i>		[-3,000]
063	0603464A	LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY	174,386	179,386
		<i>Program increase missile demonstrations</i>		[5,000]
064	0603465A	FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY	151,640	146,640
		<i>Excess to need</i>		[-5,000]
065	0603466A	AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY	60,613	60,613
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	1,099,564	1,166,564
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
073	0603305A	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	10,987	30,987
		<i>Conventional mission capabilities</i>		[10,000]
		<i>System lab integration improvements</i>		[10,000]
074	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	15,148	15,148
075	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV	92,915	92,915
077	0603639A	TANK AND MEDIUM CALIBER AMMUNITION	82,146	82,146
078	0603645A	ARMORED SYSTEM MODERNIZATION—ADV DEV	157,656	157,656
079	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	6,514	6,514
080	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV	34,890	37,890
		<i>Mobile ground terminal</i>		[3,000]
081	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	251,011	206,011
		<i>IVAS insufficient justification</i>		[-45,000]
082	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL	15,132	15,132
083	0603790A	NATO RESEARCH AND DEVELOPMENT	5,406	5,406
084	0603801A	AVIATION—ADV DEV	459,290	443,340
		<i>Early to need</i>		[-15,950]
085	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	6,254	6,254
086	0603807A	MEDICAL SYSTEMS—ADV DEV	31,175	31,175
087	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	22,113	22,113
088	0604017A	ROBOTICS DEVELOPMENT	115,222	115,222
090	0604021A	ELECTRONIC WARFARE TECHNOLOGY MATURATION (MIP)	18,043	18,043
091	0604100A	ANALYSIS OF ALTERNATIVES	10,023	10,023
092	0604113A	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS)	40,745	40,745
093	0604114A	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR	427,772	427,772
094	0604115A	TECHNOLOGY MATURATION INITIATIVES	196,676	161,676
		<i>Insufficient schedule detail</i>		[-35,000]
095	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD)	33,100	29,100

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
		<i>Excess testing cost</i>		[-4,000]
097	0604119A	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING	115,116	105,116
		<i>Early to need</i>		[-10,000]
099	0604121A	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING.	136,761	111,761
		<i>Early to need (IVAS)</i>		[-25,000]
100	0604182A	HYPERSONICS	228,000	239,000
		<i>Transfer from RDTE Defense-Wide, line 124</i>		[31,000]
102	0604403A	FUTURE INTERCEPTOR	8,000	8,000
103	0604541A	UNIFIED NETWORK TRANSPORT	39,600	30,600
		<i>Early to need</i>		[-9,000]
104	0604644A	MOBILE MEDIUM RANGE MISSILE	20,000	20,000
106	0305251A	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	52,102	52,102
107	1206120A	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	192,562	150,062
		<i>Project cancellation</i>		[-42,500]
108	1206308A	ARMY SPACE SYSTEMS INTEGRATION	104,996	54,996
		<i>Program delay</i>		[-50,000]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	2,929,355	2,746,905
		SYSTEM DEVELOPMENT & DEMONSTRATION		
109	0604201A	AIRCRAFT AVIONICS	29,164	29,164
110	0604270A	ELECTRONIC WARFARE DEVELOPMENT	70,539	70,539
113	0604601A	INFANTRY SUPPORT WEAPONS	106,121	125,321
		<i>Army unfunded priority—NGSW program increase</i>		[19,200]
114	0604604A	MEDIUM TACTICAL VEHICLES	2,152	2,152
115	0604611A	JAVELIN	17,897	16,397
		<i>Qualification testing early to need</i>		[-1,500]
116	0604622A	FAMILY OF HEAVY TACTICAL VEHICLES	16,745	16,745
117	0604633A	AIR TRAFFIC CONTROL	6,989	6,989
118	0604642A	LIGHT TACTICAL WHEELED VEHICLES	10,465	10,465
119	0604645A	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV	310,152	295,152
		<i>Program delay</i>		[-15,000]
120	0604710A	NIGHT VISION SYSTEMS—ENG DEV	181,732	166,732
		<i>Insufficient justification (IVAS)</i>		[-15,000]
121	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	2,393	2,393
122	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV	27,412	27,412
123	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV.	43,502	38,502
		<i>Historical underexecution</i>		[-5,000]
124	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	11,636	11,636
125	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	10,915	10,915
126	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV	7,801	7,801
127	0604768A	BRILLIANT ANTI-ARMOR SUBUNITION (BAT)	25,000	20,000
		<i>PFAL excess</i>		[-5,000]
128	0604780A	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	9,241	9,241
129	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	42,634	38,634
		<i>RCO support excess</i>		[-4,000]
130	0604802A	WEAPONS AND MUNITIONS—ENG DEV	181,023	181,023
131	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV	103,226	103,226
132	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV	12,595	12,595
133	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV.	48,264	48,264
134	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV	39,208	39,208
135	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE.	140,637	138,137
		<i>CPI2 testing previously funded</i>		[-2,500]
136	0604820A	RADAR DEVELOPMENT	105,243	105,243
137	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBs)	46,683	41,683
		<i>Program decrease</i>		[-5,000]
138	0604823A	FIREFINDER	17,294	17,294
139	0604827A	SOLDIER SYSTEMS—WARRIOR DEMVAL	5,803	4,803
		<i>Historical underexecution</i>		[-1,000]
140	0604852A	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD	98,698	128,698
		<i>Program increase for vehicle active protection system evaluation</i>		[30,000]
141	0604854A	ARTILLERY SYSTEMS—EMD	15,832	10,832
		<i>Mobile howitzer testing early to need</i>		[-5,000]
142	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT	126,537	126,537
143	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A)	142,773	99,773
		<i>Program decrease</i>		[-43,000]
144	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV)	96,730	96,730
145	0605029A	INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C).	6,699	6,699
146	0605030A	JOINT TACTICAL NETWORK CENTER (JTNC)	15,882	15,882
147	0605031A	JOINT TACTICAL NETWORK (JTN)	40,808	40,808
149	0605033A	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM—EX-PEDITIONARY (GBOSS-E).	3,847	3,847
150	0605034A	TACTICAL SECURITY SYSTEM (TSS)	6,928	6,928

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
151	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM)	34,488	34,488
152	0605036A	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD)	10,000	10,000
154	0605038A	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE (NBCRV) SENSOR SUITE	6,054	6,054
155	0605041A	DEFENSIVE CYBER TOOL DEVELOPMENT	62,262	62,262
156	0605042A	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)	35,654	28,654
		<i>Excess growth</i>		[-7,000]
157	0605047A	CONTRACT WRITING SYSTEM	19,682	19,682
158	0605049A	MISSILE WARNING SYSTEM MODERNIZATION (MWSM)	1,539	1,539
159	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT	64,557	64,557
160	0605052A	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1	243,228	243,228
161	0605053A	GROUND ROBOTICS	41,308	41,308
162	0605054A	EMERGING TECHNOLOGY INITIATIVES	45,896	41,896
		<i>Testing and evaluation excess growth</i>		[-4,000]
163	0605203A	ARMY SYSTEM DEVELOPMENT & DEMONSTRATION	164,883	164,883
165	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM)	9,500	9,500
166	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)	208,938	203,938
		<i>Testing and evaluation excess growth</i>		[-5,000]
167	0605625A	MANNED GROUND VEHICLE	378,400	378,400
168	0605766A	NATIONAL CAPABILITIES INTEGRATION (MIP)	7,835	9,835
		<i>Mobile ground terminal</i>		[2,000]
169	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	2,732	7,232
		<i>Army requested realignment from OPA 7</i>		[4,500]
170	0605830A	AVIATION GROUND SUPPORT EQUIPMENT	1,664	1,664
172	0303032A	TROJAN—RH12	3,936	3,936
174	0304270A	ELECTRONIC WARFARE DEVELOPMENT	19,675	19,675
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	3,549,431	3,487,131
		RDT&E MANAGEMENT SUPPORT		
176	0604256A	THREAT SIMULATOR DEVELOPMENT	14,117	14,117
177	0604258A	TARGET SYSTEMS DEVELOPMENT	8,327	8,327
178	0604759A	MAJOR T&E INVESTMENT	136,565	136,565
179	0605103A	RAND ARROYO CENTER	13,113	13,113
180	0605301A	ARMY KWAJALEIN ATOLL	238,691	226,691
		<i>Program decrease</i>		[-12,000]
181	0605326A	CONCEPTS EXPERIMENTATION PROGRAM	42,922	42,922
183	0605601A	ARMY TEST RANGES AND FACILITIES	334,468	334,468
184	0605602A	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	46,974	51,974
		<i>Program increase—space and missile cybersecurity</i>		[5,000]
185	0605604A	SURVIVABILITY/LETHALITY ANALYSIS	35,075	35,075
186	0605606A	AIRCRAFT CERTIFICATION	3,461	3,461
187	0605702A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	6,233	6,233
188	0605706A	MATERIEL SYSTEMS ANALYSIS	21,342	21,342
189	0605709A	EXPLOITATION OF FOREIGN ITEMS	11,168	11,168
190	0605712A	SUPPORT OF OPERATIONAL TESTING	52,723	52,723
191	0605716A	ARMY EVALUATION CENTER	60,815	60,815
192	0605718A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG	2,527	2,527
193	0605801A	PROGRAMWIDE ACTIVITIES	58,175	61,175
		<i>Program increase for transition costs</i>		[3,000]
194	0605803A	TECHNICAL INFORMATION ACTIVITIES	25,060	25,060
195	0605805A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	44,458	49,458
		<i>Advanced lightweight small arms and medium caliber ammunition</i>		[5,000]
196	0605857A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	4,681	4,681
197	0605898A	ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA	53,820	53,820
198	0606001A	MILITARY GROUND-BASED CREW TECHNOLOGY	4,291	4,291
199	0606002A	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE	62,069	62,069
200	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION	1,050	1,050
201	0606942A	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	4,500	4,500
		SUBTOTAL RDT&E MANAGEMENT SUPPORT	1,286,625	1,287,625
		OPERATIONAL SYSTEMS DEVELOPMENT		
204	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM	22,877	17,877
		<i>HIMARS excess growth</i>		[-5,000]
206	0605024A	ANTI-TAMPER TECHNOLOGY SUPPORT	8,491	8,491
207	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS	15,645	15,645
209	0607134A	LONG RANGE PRECISION FIRES (LRPF)	164,182	164,182
211	0607136A	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM	13,039	13,039
212	0607137A	CHINOOK PRODUCT IMPROVEMENT PROGRAM	174,371	174,371
213	0607138A	FIXED WING PRODUCT IMPROVEMENT PROGRAM	4,545	4,545
214	0607139A	IMPROVED TURBINE ENGINE PROGRAM	206,434	206,434
216	0607142A	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT	24,221	14,221
		<i>Integrated munitions launcher early to need</i>		[-10,000]
217	0607143A	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	32,016	32,016
218	0607145A	APACHE FUTURE DEVELOPMENT	5,448	448

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Line	Program Element	Item	FY 2020 Request	House Authorized
		<i>Unjustified request</i>		[−5,000]
219	0607312A	ARMY OPERATIONAL SYSTEMS DEVELOPMENT	49,526	49,526
220	0607665A	FAMILY OF BIOMETRICS	1,702	1,702
221	0607865A	PATRIOT PRODUCT IMPROVEMENT	96,430	96,430
222	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCs)	47,398	47,398
223	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS	334,463	324,463
		<i>Early to need</i>		[−10,000]
225	0203743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	214,246	214,246
226	0203744A	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	16,486	11,986
		<i>Excess to need</i>		[−4,500]
227	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	144	144
228	0203758A	DIGITIZATION	5,270	5,270
229	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	1,287	1,287
234	0205412A	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV.	732	732
235	0205456A	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM	107,746	107,746
236	0205778A	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)	138,594	128,594
		<i>Testing excess to need</i>		[−10,000]
238	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES	13,845	13,845
239	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM	29,185	29,185
240	0303141A	GLOBAL COMBAT SUPPORT SYSTEM	68,976	58,976
		<i>Program decrease</i>		[−10,000]
241	0303150A	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM	2,073	2,073
245	0305179A	INTEGRATED BROADCAST SERVICE (IBS)	459	459
246	0305204A	TACTICAL UNMANNED AERIAL VEHICLES	5,097	5,097
247	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS	11,177	11,177
248	0305208A	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	38,121	38,121
250	0305232A	RQ-11 UAV	3,218	3,218
251	0305233A	RQ-7 UAV	7,817	7,817
252	0307665A	BIOMETRICS ENABLED INTELLIGENCE	2,000	2,000
253	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	59,848	64,848
		<i>Program increase—additive manufacturing technology insertion</i>		[5,000]
254	1203142A	SATCOM GROUND ENVIRONMENT (SPACE)	34,169	34,169
255	1208053A	JOINT TACTICAL GROUND SYSTEM	10,275	10,275
255A	9999999999	CLASSIFIED PROGRAMS	7,273	7,273
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	1,978,826	1,929,326
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.	12,192,771	12,025,021
		RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY		
		BASIC RESEARCH		
001	0601103N	UNIVERSITY RESEARCH INITIATIVES	116,850	126,850
		<i>Advanced radar research</i>		[5,000]
		<i>Defense University research initiatives</i>		[5,000]
002	0601152N	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	19,121	19,121
003	0601153N	DEFENSE RESEARCH SCIENCES	470,007	470,007
		SUBTOTAL BASIC RESEARCH	605,978	615,978
		APPLIED RESEARCH		
004	0602114N	POWER PROJECTION APPLIED RESEARCH	18,546	25,546
		<i>Hypersonic testing facilities</i>		[7,000]
005	0602123N	FORCE PROTECTION APPLIED RESEARCH	119,517	152,517
		<i>Autonomous vehicle collaboration across maritime domains</i>		[10,000]
		<i>Cyber-physical research</i>		[8,000]
		<i>Energy resilience</i>		[5,000]
		<i>Hybrid composite struct. res. enhanced mobility</i>		[5,000]
		<i>Navy power and energy systems technology</i>		[5,000]
006	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY	56,604	61,604
		<i>Interdisciplinary expeditionary cybersecurity research</i>		[5,000]
007	0602235N	COMMON PICTURE APPLIED RESEARCH	49,297	49,297
008	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	63,825	68,825
		<i>Warfighter safety and performance</i>		[5,000]
009	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	83,497	83,497
010	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	63,894	63,894
011	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	6,346	6,346
012	0602747N	UNDERSEA WARFARE APPLIED RESEARCH	57,075	77,075
		<i>Academic partnerships for undersea vehicle research</i>		[10,000]
		<i>Resident autonomous undersea robotics</i>		[10,000]
013	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	154,755	154,755
014	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	36,074	36,074
015	0602792N	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH	153,062	153,062
016	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACTIVITIES	73,961	73,961
		SUBTOTAL APPLIED RESEARCH	936,453	1,006,453

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ADVANCED TECHNOLOGY DEVELOPMENT				
017	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY	35,286	35,286
018	0603271N	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	9,499	9,499
019	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	172,847	172,847
020	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	13,307	13,307
021	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DE- VELOPMENT.	231,907	231,907
022	0603680N	MANUFACTURING TECHNOLOGY PROGRAM	60,138	80,138
		Program increase		[20,000]
023	0603729N	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	4,849	4,849
025	0603758N	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	67,739	67,739
026	0603782N	MINE AND EXPEDITIONARY WARFARE ADVANCED TECH- NOLOGY.	13,335	13,335
027	0603801N	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECH- NOLOGY DEVELOPMENT.	133,303	153,653
		Electromagnetic railgun		[20,350]
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT ...	742,210	782,560
ADVANCED COMPONENT DEVELOPMENT & PROTO- TYPES				
028	0603207N	AIR/OCEAN TACTICAL APPLICATIONS	32,643	32,643
029	0603216N	AVIATION SURVIVABILITY	11,919	11,919
030	0603251N	AIRCRAFT SYSTEMS	1,473	1,473
031	0603254N	ASW SYSTEMS DEVELOPMENT	7,172	7,172
032	0603261N	TACTICAL AIRBORNE RECONNAISSANCE	3,419	3,419
033	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY	64,694	64,694
034	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	507,000	312,200
		LUSV Design Contracts early to need		[-29,100]
		LUSV GFE early to need		[-79,200]
		LUSV program decrease		[-43,000]
		MUSV program increase		[43,000]
		Reduce one LUSV		[-86,500]
035	0603506N	SURFACE SHIP TORPEDO DEFENSE	15,800	15,800
036	0603512N	CARRIER SYSTEMS DEVELOPMENT	4,997	4,997
037	0603525N	PILOT FISH	291,148	291,148
038	0603527N	RETRACT LARCH	11,980	11,980
039	0603536N	RETRACT JUNIPER	129,163	129,163
040	0603542N	RADIOLOGICAL CONTROL	689	689
041	0603553N	SURFACE ASW	1,137	1,137
042	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	148,756	148,756
043	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS	11,192	11,192
044	0603563N	SHIP CONCEPT ADVANCED DESIGN	81,846	57,846
		Future surface combatant concept development concurrency		[-24,000]
045	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	69,084	69,084
046	0603570N	ADVANCED NUCLEAR POWER SYSTEMS	181,652	181,652
047	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS	25,408	25,408
048	0603576N	CHALK EAGLE	64,877	64,877
049	0603581N	LITTORAL COMBAT SHIP (LCS)	9,934	9,934
050	0603582N	COMBAT SYSTEM INTEGRATION	17,251	17,251
051	0603595N	OHIO REPLACEMENT	419,051	419,051
052	0603596N	LCS MISSION MODULES	108,505	108,505
053	0603597N	AUTOMATED TEST AND ANALYSIS	7,653	7,653
054	0603599N	FRIGATE DEVELOPMENT	59,007	59,007
055	0603609N	CONVENTIONAL MUNITIONS	9,988	9,988
056	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	86,464	11,464
		Insufficient justification and contract delay		[-75,000]
057	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	33,478	33,478
058	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	5,619	5,619
059	0603721N	ENVIRONMENTAL PROTECTION	20,564	20,564
060	0603724N	NAVY ENERGY PROGRAM	26,514	49,514
		Battery development and safety enterprise		[13,000]
		Marine energy systems for sensors and microgrids		[10,000]
061	0603725N	FACILITIES IMPROVEMENT	3,440	3,440
062	0603734N	CHALK CORAL	346,800	346,800
063	0603739N	NAVY LOGISTIC PRODUCTIVITY	3,857	3,857
064	0603746N	RETRACT MAPLE	258,519	258,519
065	0603748N	LINK PLUMERIA	403,909	403,909
066	0603751N	RETRACT ELM	63,434	63,434
067	0603764N	LINK EVERGREEN	184,110	184,110
068	0603790N	NATO RESEARCH AND DEVELOPMENT	7,697	7,697
069	0603795N	LAND ATTACK TECHNOLOGY	9,086	9,086
070	0603851M	JOINT NON-LETHAL WEAPONS TESTING	28,466	28,466
071	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM/ VAL.	51,341	51,341
072	0603925N	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	118,169	118,169
073	0604014N	F/A -18 INFRARED SEARCH AND TRACK (IRST)	113,456	112,456
		Program delay		[-1,000]
074	0604027N	DIGITAL WARFARE OFFICE	50,120	50,120

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075	0604028N	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES	32,527	32,527
076	0604029N	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES	54,376	54,376
077	0604030N	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION..	36,197	36,197
078	0604031N	LARGE UNMANNED UNDERSEA VEHICLES	68,310	59,810
		<i>Early to need</i>		[-8,500]
079	0604112N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80).	121,310	121,310
080	0604126N	LITTORAL AIRBORNE MCM	17,248	17,248
081	0604127N	SURFACE MINE COUNTERMEASURES	18,735	18,735
082	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM).	68,346	58,346
		<i>Excess to need</i>		[-10,000]
084	0604289M	NEXT GENERATION LOGISTICS	4,420	4,420
085	0604320M	RAPID TECHNOLOGY CAPABILITY PROTOTYPE	4,558	4,558
086	0604454N	LX (R)	12,500	12,500
087	0604536N	ADVANCED UNDERSEA PROTOTYPING	181,967	174,437
		ORCA XLUVV prior year carryover		[-7,530]
088	0604636N	COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS)	5,500	5,500
089	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	718,148	638,148
		<i>Excess growth</i>		[-80,000]
090	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT.	5,263	5,263
091	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT	65,419	65,419
092	0303354N	ASW SYSTEMS DEVELOPMENT—MIP	9,991	9,991
093	0304240M	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	21,157	39,637
		KMAX Large Unmanned Logistics System USMC unfunded priority		[18,500]
095	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP	609	609
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	5,559,062	5,199,732
		SYSTEM DEVELOPMENT & DEMONSTRATION		
096	0603208N	TRAINING SYSTEM AIRCRAFT	15,514	15,514
097	0604212N	OTHER HELO DEVELOPMENT	28,835	28,835
098	0604214M	AV-8B AIRCRAFT—ENG DEV	27,441	27,441
100	0604215N	STANDARDS DEVELOPMENT	3,642	3,642
101	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	19,196	19,196
104	0604230N	WARFARE SUPPORT SYSTEM	8,601	8,601
105	0604231N	TACTICAL COMMAND SYSTEM	77,232	77,232
106	0604234N	ADVANCED HAWKEYE	232,752	232,752
107	0604245M	H-1 UPGRADES	65,359	64,859
		<i>Support cost growth</i>		[-500]
109	0604261N	ACOUSTIC SEARCH SENSORS	47,013	47,013
110	0604262N	V-32A	185,105	172,105
		<i>Excess to need</i>		[-13,000]
111	0604264N	AIR CREW SYSTEMS DEVELOPMENT	21,172	21,172
112	0604269N	EA-18	143,585	123,585
		<i>Unjustified cost growth</i>		[-20,000]
113	0604270N	ELECTRONIC WARFARE DEVELOPMENT	116,811	109,631
		<i>Unjustified request</i>		[-7,160]
114	0604273M	EXECUTIVE HELO DEVELOPMENT	187,436	187,436
116	0604274N	NEXT GENERATION JAMMER (NGJ)	524,261	443,261
		<i>Underexecution</i>		[-81,000]
117	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY)	192,345	190,845
		<i>Early to need</i>		[-1,500]
118	0604282N	NEXT GENERATION JAMMER (NGJ) INCREMENT II	111,068	111,068
119	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	415,625	415,625
120	0604311N	LPD-17 CLASS SYSTEMS INTEGRATION	640	640
121	0604329N	SMALL DIAMETER BOMB (SDB)	50,096	50,096
122	0604366N	STANDARD MISSILE IMPROVEMENTS	232,391	232,391
123	0604373N	AIRBORNE MCM	10,916	10,916
124	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENGINEERING.	33,379	33,379
125	0604501N	ADVANCED ABOVE WATER SENSORS	34,554	34,554
126	0604503N	SSN-688 AND TRIDENT MODERNIZATION	84,663	84,663
127	0604504N	AIR CONTROL	44,923	44,923
128	0604512N	SHIPBOARD AVIATION SYSTEMS	10,632	10,632
129	0604518N	COMBAT INFORMATION CENTER CONVERSION	16,094	16,094
130	0604522N	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	55,349	55,349
131	0604530N	ADVANCED ARRESTING GEAR (AAG)	123,490	123,490
132	0604558N	NEW DESIGN SSN	121,010	121,010
133	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM	62,426	62,426
134	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E	46,809	46,809
135	0604574N	NAVY TACTICAL COMPUTER RESOURCES	3,692	3,692
137	0604601N	MINE DEVELOPMENT	28,964	28,964
138	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT	148,349	127,349
		<i>Excess to need</i>		[-21,000]
139	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	8,237	8,237

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140	0604657M	USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS—ENG DEV.	22,000	22,000
141	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	5,500	5,500
142	0604727N	JOINT STANDOFF WEAPON SYSTEMS	18,725	16,225
		Excess to need		[-2,500]
143	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	192,603	192,603
144	0604756N	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	137,268	137,268
145	0604757N	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	97,363	97,363
146	0604761N	INTELLIGENCE ENGINEERING	26,710	26,710
147	0604771N	MEDICAL DEVELOPMENT	8,181	13,181
		Enterotoxigenic escherichia coli research		[5,000]
148	0604777N	NAVIGATION/ID SYSTEM	40,755	40,755
149	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD	1,710	1,710
150	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD	1,490	1,490
153	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT	1,494	1,494
154	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT	384,162	370,662
		Unjustified growth over FY19 projection		[-13,500]
155	0605024N	ANTI-TAMPER TECHNOLOGY SUPPORT	4,882	4,882
156	0605212M	CH-53K RDTE	516,955	496,955
		Excess to need		[-20,000]
158	0605215N	MISSION PLANNING	75,886	75,886
159	0605217N	COMMON AVIONICS	43,187	43,187
160	0605220N	SHIP TO SHORE CONNECTOR (SSC)	4,909	4,909
161	0605327N	T-AO 205 CLASS	1,682	1,682
162	0605414N	UNMANNED CARRIER AVIATION (UCA)	671,258	671,258
163	0605450M	JOINT AIR-TO-GROUND MISSILE (JAGM)	18,393	12,393
		Schedule delays		[-6,000]
165	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA)	21,472	21,472
166	0605504N	MULTI-MISSION MARITIME (MMA) INCREMENT III	177,234	177,234
167	0605611M	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT & DEMONSTRATION.	77,322	69,121
		Early to need		[-2,201]
		Excess growth		[-6,000]
168	0605813M	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT & DEMONSTRATION.	2,105	2,105
169	0204202N	DDG-1000	111,435	111,435
172	0304785N	TACTICAL CRYPTOLOGIC SYSTEMS	101,339	101,339
173	0306250M	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	26,406	26,406
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	6,332,033	6,142,672
		MANAGEMENT SUPPORT		
174	0604256N	THREAT SIMULATOR DEVELOPMENT	66,678	66,678
175	0604258N	TARGET SYSTEMS DEVELOPMENT	12,027	12,027
176	0604759N	MAJOR T&E INVESTMENT	85,348	85,348
178	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY	3,908	3,908
179	0605154N	CENTER FOR NAVAL ANALYSES	47,669	47,669
180	0605285N	NEXT GENERATION FIGHTER	20,698	20,698
182	0605804N	TECHNICAL INFORMATION SERVICES	988	988
183	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	102,401	102,401
184	0605856N	STRATEGIC TECHNICAL SUPPORT	3,742	3,742
186	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT	93,872	93,872
187	0605864N	TEST AND EVALUATION SUPPORT	394,020	394,020
188	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY	25,145	25,145
189	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	15,773	15,773
190	0605867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	8,402	8,402
191	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT	37,265	29,265
		Unjustified growth		[-8,000]
192	0605898N	MANAGEMENT HQ—R&D	39,673	39,673
193	0606355N	WARFARE INNOVATION MANAGEMENT	28,750	28,750
196	0305327N	INSIDER THREAT	2,645	2,645
197	0902498N	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES).	1,460	1,460
		SUBTOTAL MANAGEMENT SUPPORT	990,464	982,464
		OPERATIONAL SYSTEMS DEVELOPMENT		
202	0604227N	HARPOON MODIFICATIONS	2,302	2,302
203	0604840M	F-35 C2D2	422,881	422,881
204	0604840N	F-35 C2D2	383,741	383,741
205	0607658N	COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	127,924	127,924
207	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	157,676	157,676
208	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM	43,354	43,354
209	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	6,815	6,815
210	0101402N	NAVY STRATEGIC COMMUNICATIONS	31,174	31,174
211	0204136N	F/A-18 SQUADRONS	213,715	216,215
		Block III support prior year carryover		[-7,500]
		Jet noise reduction research		[10,000]
213	0204228N	SURFACE SUPPORT	36,389	45,389

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Line	Program Element	Item	FY 2020 Request	House Authorized
		WSN-12 Technology Insertion		[9,000]
214	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	320,134	320,134
215	0204311N	INTEGRATED SURVEILLANCE SYSTEM	88,382	88,382
216	0204313N	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS	14,449	14,449
217	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT)	6,931	6,931
218	0204460M	GROUND/AIR TASK ORIENTED RADAR (GATOR)	23,891	23,891
219	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	129,873	129,873
221	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT	82,325	62,325
		Prior year carryover		[-20,000]
222	0205601N	HARM IMPROVEMENT	138,431	132,431
		AARGM ER test schedule discrepancy		[-6,000]
224	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION	29,572	29,572
225	0205632N	MK-48 ADCAP	85,973	85,973
226	0205633N	AVIATION IMPROVEMENTS	125,461	125,461
227	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS	106,192	106,192
228	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	143,317	134,317
		Program delay		[-9,000]
229	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S) ...	4,489	4,489
230	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	51,788	51,788
231	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT	37,761	37,761
232	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP) ...	21,458	21,458
233	0206629M	AMPHIBIOUS ASSAULT VEHICLE	5,476	5,476
234	0207161N	TACTICAL AIM MISSILES	19,488	19,488
235	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	39,029	34,529
		Prior year carryover		[-4,500]
239	0303109N	SATELLITE COMMUNICATIONS (SPACE)	34,344	34,344
240	0303138N	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES)	22,873	22,873
241	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM	41,853	41,853
243	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES	8,913	8,913
244	0305204N	TACTICAL UNMANNED AERIAL VEHICLES	9,451	9,451
245	0305205N	UAS INTEGRATION AND INTEROPERABILITY	42,315	42,315
246	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	22,042	22,042
248	0305220N	MQ-4C TRITON	11,784	11,784
249	0305231N	MQ-8 UAV	29,618	29,618
250	0305232M	RQ-11 UAV	509	509
251	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASLo)	11,545	11,545
252	0305239M	RQ-21A	10,914	10,914
253	0305241N	MULTI-INTELLIGENCE SENSOR DEVELOPMENT	70,612	70,612
254	0305242M	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)	3,704	3,704
255	0305421N	RQ-4 MODERNIZATION	202,346	202,346
256	030601N	MODELING AND SIMULATION SUPPORT	7,119	7,119
257	0702207N	DEPOT MAINTENANCE (NON-IF)	38,182	38,182
258	0708730N	MARITIME TECHNOLOGY (MARITECH)	6,779	6,779
259	1203109N	SATELLITE COMMUNICATIONS (SPACE)	15,868	15,868
259A	999999999	CLASSIFIED PROGRAMS	1,613,137	1,613,137
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	5,104,299	5,076,299
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY.	20,270,499	19,806,158
		RESEARCH, DEVELOPMENT, TEST & EVAL, AF		
		BASIC RESEARCH		
001	0601102F	DEFENSE RESEARCH SCIENCES	356,107	356,107
002	0601103F	UNIVERSITY RESEARCH INITIATIVES	158,859	158,859
003	0601108F	HIGH ENERGY LASER RESEARCH INITIATIVES	14,795	14,795
		SUBTOTAL BASIC RESEARCH	529,761	529,761
		APPLIED RESEARCH		
004	0602102F	MATERIALS	128,851	133,851
		Advanced thermal protection systems		[5,000]
005	0602201F	AEROSPACE VEHICLE TECHNOLOGIES	147,724	147,724
006	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH	131,795	131,795
007	0602203F	AEROSPACE PROPULSION	198,775	213,775
		Educational partnership agreements for aerospace propulsion		[10,000]
		Electrical power/thermal management systems		[5,000]
008	0602204F	AEROSPACE SENSORS	202,912	202,912
010	0602298F	SCIENCE AND TECHNOLOGY MANAGEMENT— MAJOR HEAD-QUARTERS ACTIVITIES	7,968	7,968
012	0602602F	CONVENTIONAL MUNITIONS	142,772	142,772
013	0602605F	DIRECTED ENERGY TECHNOLOGY	124,379	124,379
014	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS	181,562	186,562
		Detection and countering of adversarial UAS		[5,000]
015	0602890F	HIGH ENERGY LASER RESEARCH	44,221	44,221
016	1206601F	SPACE TECHNOLOGY	124,667	124,667
		SUBTOTAL APPLIED RESEARCH	1,435,626	1,460,626

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Line	Program Element	Item	FY 2020 Request	House Authorized
ADVANCED TECHNOLOGY DEVELOPMENT				
017	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS	36,586	41,586
		Metals affordability initiative		[5,000]
018	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	16,249	16,249
019	0603203F	ADVANCED AEROSPACE SENSORS	38,292	38,292
020	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO	102,949	122,949
		High speed vertical lift demonstration		[5,000]
		Low cost attritable aircraft technology		[15,000]
021	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY	113,973	118,973
		Electrical power systems		[5,000]
022	0603270F	ELECTRONIC COMBAT TECHNOLOGY	48,408	48,408
023	0603401F	ADVANCED SPACECRAFT TECHNOLOGY	70,525	70,525
024	0603444F	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	11,878	11,878
025	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT	37,542	37,542
026	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY	225,817	225,817
027	0603605F	ADVANCED WEAPONS TECHNOLOGY	37,404	37,404
028	0603680F	MANUFACTURING TECHNOLOGY PROGRAM	43,116	53,116
		Aerospace composites manufacturing		[10,000]
029	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION	56,414	56,414
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT ...	839,153	879,153
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
031	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT	5,672	5,672
032	0603742F	COMBAT IDENTIFICATION TECHNOLOGY	27,085	27,085
033	0603790F	NATO RESEARCH AND DEVELOPMENT	4,955	4,955
034	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL	44,109	44,109
036	0604002F	AIR FORCE WEATHER SERVICES RESEARCH	772	772
037	0604004F	ADVANCED ENGINE DEVELOPMENT	878,442	849,442
		Unjustified budget growth		[-29,000]
038	0604015F	LONG RANGE STRIKE—BOMBER	3,003,899	3,003,899
039	0604032F	DIRECTED ENERGY PROTOTYPING	10,000	20,000
		High-value airborne asset protection		[10,000]
040	0604033F	HYPERSONICS PROTOTYPING	576,000	536,000
		Program concurrency		[-40,000]
041	0604201F	PNT RESILIENCY, MODS, AND IMPROVEMENTS	92,600	92,600
042	0604257F	ADVANCED TECHNOLOGY AND SENSORS	23,145	23,145
043	0604288F	NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP	16,669	16,669
044	0604317F	TECHNOLOGY TRANSFER	23,614	23,614
045	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM	113,121	113,121
046	0604414F	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS	56,325	56,325
047	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D	28,034	28,034
048	0604858F	TECH TRANSITION PROGRAM	128,476	128,476
049	0605230F	GROUND BASED STRATEGIC DETERRENT	570,373	489,395
		Program reduction		[-103,000]
		Technical adjustment for NC3		[22,022]
050	0207100F	LIGHT ATTACK ARMED RECONNAISSANCE (LAAR) SQUADRONS	35,000	35,000
051	0207110F	NEXT GENERATION AIR DOMINANCE	1,000,000	500,000
		Cost-risk associated with development profile		[-500,000]
052	0207455F	THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR)	37,290	37,290
053	0208099F	UNIFIED PLATFORM (UP)	10,000	10,000
054	0305236F	COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	36,910	36,910
055	0305251F	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	35,000	35,000
056	0305601F	MISSION PARTNER ENVIRONMENTS	8,550	8,550
057	0306250F	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	198,864	198,864
058	0306415F	ENABLED CYBER ACTIVITIES	16,632	16,632
060	0901410F	CONTRACTING INFORMATION TECHNOLOGY SYSTEM	20,830	20,830
061	1203164F	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	329,948	329,948
062	1203710F	EO/IR WEATHER SYSTEMS	101,222	101,222
063	1206422F	WEATHER SYSTEM FOLLOW-ON	225,660	205,660
		Unjustified growth		[-20,000]
064	1206425F	SPACE SITUATION AWARENESS SYSTEMS	29,776	29,776
065	1206427F	SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)	142,045	162,045
		Accelerate Blackjack prototype demonstration and tech maturation		[20,000]
067	1206438F	SPACE CONTROL TECHNOLOGY	64,231	58,231
		Unjustified growth		[-6,000]
068	1206730F	SPACE SECURITY AND DEFENSE PROGRAM	56,385	56,385
069	1206760F	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)	105,003	105,003
070	1206761F	PROTECTED TACTICAL SERVICE (PTS)	173,694	166,194
		Unjustified growth		[-7,500]
071	1206855F	EVOLVED STRATEGIC SATCOM (ESS)	172,206	172,206
072	1206857F	SPACE RAPID CAPABILITIES OFFICE	33,742	30,742
		Program decrease		[-3,000]

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Line	Program Element	Item	FY 2020 Request	House Authorized
SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.			8,436,279	7,779,801
SYSTEM DEVELOPMENT & DEMONSTRATION				
073	0604200F	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS	246,200	200
		Unjustified requirement		[-246,000]
074	0604201F	PNT RESILIENCY, MODS, AND IMPROVEMENTS	67,782	67,782
075	0604222F	NUCLEAR WEAPONS SUPPORT	4,406	4,406
076	0604270F	ELECTRONIC WARFARE DEVELOPMENT	2,066	2,066
077	0604281F	TACTICAL DATA NETWORKS ENTERPRISE	229,631	210,331
		Prior-year carryover		[-19,300]
078	0604287F	PHYSICAL SECURITY EQUIPMENT	9,700	9,700
079	0604329F	SMALL DIAMETER BOMB (SDB)—EMD	31,241	41,241
		Program efficiency initiative		[10,000]
080	0604429F	AIRBORNE ELECTRONIC ATTACK	2	2
081	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT	28,043	22,543
		Unjustified requirement (JAGM-F)		[-5,500]
082	0604604F	SUBUNITIONS	3,045	3,045
083	0604617F	AGILE COMBAT SUPPORT	19,944	19,944
084	0604706F	LIFE SUPPORT SYSTEMS	8,624	16,624
		Next-gen ejection seat qualification		[8,000]
085	0604735F	COMBAT TRAINING RANGES	37,365	37,365
086	0604800F	F-35—EMD	7,628	7,628
087	0604932F	LONG RANGE STANDOFF WEAPON	712,539	712,539
088	0604933F	ICBM FUZE MODERNIZATION	161,199	161,199
089	0605030F	JOINT TACTICAL NETWORK CENTER (JTNC)	2,414	2,414
091	0605056F	OPEN ARCHITECTURE MANAGEMENT	30,000	30,000
093	0605221F	KC-46	59,561	59,561
094	0605223F	ADVANCED PILOT TRAINING	348,473	348,473
095	0605229F	COMBAT RESCUE HELICOPTER	247,047	246,047
		Support cost growth		[-1,000]
098	0605931F	B-2 DEFENSIVE MANAGEMENT SYSTEM	294,400	294,400
099	0101125F	NUCLEAR WEAPONS MODERNIZATION	27,564	27,564
101	0207171F	F-15 EPAWSS	47,322	47,322
102	0207328F	STAND IN ATTACK WEAPON	162,840	127,840
		Unjustified program growth		[-35,000]
103	0207701F	FULL COMBAT MISSION TRAINING	9,797	9,797
106	0401310F	C-32 EXECUTIVE TRANSPORT RECAPITALIZATION	9,930	9,930
107	0401319F	VC-25B	757,923	757,923
108	0701212F	AUTOMATED TEST SYSTEMS	2,787	2,787
109	1203176F	COMBAT SURVIVOR EVADER LOCATOR	2,000	2,000
110	1203269F	GPS III FOLLOW-ON (GPS III/F)	462,875	452,875
		Unjustified growth		[-10,000]
111	1203940F	SPACE SITUATION AWARENESS OPERATIONS	76,829	56,829
		GBOSS unjustified growth		[-20,000]
112	1206421F	COUNTERSPACE SYSTEMS	29,037	34,037
		Counterspace communications systems pre-planned product improvement		[5,000]
113	1206422F	WEATHER SYSTEM FOLLOW-ON	2,237	2,237
114	1206425F	SPACE SITUATION AWARENESS SYSTEMS	412,894	362,894
		Unexecutable growth		[-50,000]
116	1206431F	ADVANCED EHF MILSATCOM (SPACE)	117,290	117,290
117	1206432F	POLAR MILSATCOM (SPACE)	427,400	427,400
118	1206433F	WIDEBAND GLOBAL SATCOM (SPACE)	1,920	1,920
119	1206441F	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	1	1
120	1206442F	NEXT GENERATION OPIR	1,395,278	1,018,878
		Unexecutable funding profile		[-293,100]
		Unexecutable funding profile (ground)		[-83,300]
121	1206445F	COMMERCIAL SATCOM (COMSATCOM) INTEGRATION		10,000
		Accelerate integration of COMSATCOM capabilities		[10,000]
122	1206853F	NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE)—EMD	432,009	432,009
SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.			6,929,243	6,199,043
MANAGEMENT SUPPORT				
123	0604256F	THREAT SIMULATOR DEVELOPMENT	59,693	59,693
124	0604759F	MAJOR T&E INVESTMENT	181,663	183,663
		Telemetry extension SATCOM relay		[2,000]
125	0605101F	RAND PROJECT AIR FORCE	35,258	35,258
127	0605712F	INITIAL OPERATIONAL TEST & EVALUATION	13,793	13,793
128	0605807F	TEST AND EVALUATION SUPPORT	717,895	727,395
		Overwater range telemetry improvements		[9,500]
129	0605826F	ACQ WORKFORCE- GLOBAL POWER	258,667	258,667
130	0605827F	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS	251,992	251,992
131	0605828F	ACQ WORKFORCE- GLOBAL REACH	149,191	149,191
132	0605829F	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS	235,360	235,360
133	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT	160,196	160,196
134	0605831F	ACQ WORKFORCE- CAPABILITY INTEGRATION	220,255	220,255

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135	0605832F	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY	42,392	42,392
136	0605833F	ACQ WORKFORCE- NUCLEAR SYSTEMS	133,231	133,231
137	0605898F	MANAGEMENT HQ—R&D	5,590	5,590
138	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT	88,445	88,445
139	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT	29,424	29,424
140	0606017F	REQUIREMENTS ANALYSIS AND MATURATION	62,715	62,715
141	0606398F	MANAGEMENT HQ—T&E	5,013	5,013
142	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	17,128	17,128
143	0702806F	ACQUISITION AND MANAGEMENT SUPPORT	5,913	5,913
144	0804731F	GENERAL SKILL TRAINING	1,475	1,475
146	1001004F	INTERNATIONAL ACTIVITIES	4,071	4,071
147	1206116F	SPACE TEST AND TRAINING RANGE DEVELOPMENT	19,942	14,942
		Unjustified growth		[-5,000]
148	1206392F	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE	167,810	167,810
149	1206398F	SPACE & MISSILE SYSTEMS CENTER—MHA	10,170	10,170
150	1206860F	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	13,192	23,192
		Small rockets launch services		[10,000]
151	1206864F	SPACE TEST PROGRAM (STP)	26,097	29,097
		Small launch		[3,000]
		SUBTOTAL MANAGEMENT SUPPORT	2,916,571	2,936,071
		OPERATIONAL SYSTEMS DEVELOPMENT		
152	0604003F	ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS)	35,611	20,011
		Program increase—sensor fusion and artificial intelligence technology		[10,000]
		Unjustified request		[-25,600]
154	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	2,584	2,584
156	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D	903	903
157	0604840F	F-35 C2D2	694,455	694,455
158	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS)	40,567	40,567
159	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	47,193	47,193
160	0605117F	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION	70,083	70,083
161	0605278F	HC/MC-130 RECAP RDT&E	17,218	17,218
162	0606018F	NC3 INTEGRATION	25,917	25,917
164	0101113F	B-52 SQUADRONS	325,974	325,974
165	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM)	10,217	10,217
166	0101126F	B-1B SQUADRONS	1,000	1,000
167	0101127F	B-2 SQUADRONS	97,276	97,276
168	0101213F	MINUTEMAN SQUADRONS	128,961	106,939
		Technical adjustment for NC3		[-22,022]
170	0101316F	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	18,177	18,177
171	0101324F	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK	24,261	24,261
172	0101328F	ICBM REENTRY VEHICLES	75,571	75,571
174	0102110F	UH-1N REPLACEMENT PROGRAM	170,975	170,975
176	0205219F	MQ-9 UAV	154,996	154,996
178	0207131F	A-10 SQUADRONS	36,816	36,816
179	0207133F	F-16 SQUADRONS	193,013	193,013
180	0207134F	F-15E SQUADRONS	336,079	317,779
		Unjustified F-15C requirements		[-18,300]
181	0207136F	MANNED DESTRUCTIVE SUPPRESSION	15,521	15,521
182	0207138F	F-32A SQUADRONS	496,298	442,498
		Excess to requirements		[-23,800]
		Prior-year carryover		[-30,000]
183	0207142F	F-35 SQUADRONS	99,943	99,943
184	0207161F	TACTICAL AIM MISSILES	10,314	10,314
185	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	55,384	55,384
186	0207227F	COMBAT RESCUE—PARARESCUE	281	281
187	0207247F	AF TENCAP	21,365	21,365
188	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT	10,696	10,696
189	0207253F	COMPASS CALL	15,888	15,888
190	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	112,505	107,505
		Prior-year carryover (F-35)		[-5,000]
191	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	78,498	78,498
192	0207410F	AIR & SPACE OPERATIONS CENTER (AOC)	114,864	104,864
		Unjustified request		[-10,000]
193	0207412F	CONTROL AND REPORTING CENTER (CRC)	8,109	8,109
194	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	67,996	61,209
		Excess to need		[-6,787]
195	0207418F	TACTICAL AIRBORNE CONTROL SYSTEMS	2,462	2,462
197	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	13,668	13,668
198	0207444F	TACTICAL AIR CONTROL PARTY-MOD	6,217	6,217
200	0207452F	DCAPES	19,910	19,910
201	0207573F	NATIONAL TECHNICAL NUCLEAR FORENSICS	1,788	1,788
202	0207590F	SEEK EAGLE	28,237	28,237
203	0207601F	USAF MODELING AND SIMULATION	15,725	15,725
204	0207605F	WARGAMING AND SIMULATION CENTERS	4,316	4,316
205	0207610F	BATTLEFIELD ABN COMM NODE (BACN)	26,946	26,946
206	0207697F	DISTRIBUTED TRAINING AND EXERCISES	4,303	4,303

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Line	Program Element	Item	FY 2020 Request	House Authorized
207	0208006F	MISSION PLANNING SYSTEMS	71,465	71,465
208	0208007F	TACTICAL DECEPTION	7,446	7,446
209	0208064F	OPERATIONAL HQ—CYBER	7,602	7,602
210	0208087F	DISTRIBUTED CYBER WARFARE OPERATIONS	35,178	35,178
211	0208088F	AF DEFENSIVE CYBERSPACE OPERATIONS	16,609	16,609
212	0208097F	JOINT CYBER COMMAND AND CONTROL (JCC2)	11,603	11,603
213	0208099F	UNIFIED PLATFORM (UP)	84,702	84,702
219	0301025F	GEOBASE	2,723	2,723
220	0301112F	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)	44,190	44,190
226	0301401F	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS	3,575	3,575
227	0302015F	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	70,173	70,173
228	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NET- WORK (MEECN)	13,543	28,543
		<i>Advanced concept development—NC3 demonstration and evaluation ...</i>		[15,000]
229	0303133F	HIGH FREQUENCY RADIO SYSTEMS	15,881	1,881
		<i>Prior-year carryover</i>		[-14,000]
230	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM	27,726	27,726
232	0303142F	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE	2,210	2,210
234	0304115F	MULTI DOMAIN COMMAND AND CONTROL (MDC2)	150,880	100,880
		<i>Unjustified growth</i>		[-50,000]
235	0304260F	AIRBORNE SIGINT ENTERPRISE	102,667	94,167
		<i>Common development ahead of need</i>		[-8,500]
236	0304310F	COMMERCIAL ECONOMIC ANALYSIS	3,431	3,431
239	0305015F	C2 AIR OPERATIONS SUITE—C2 INFO SERVICES	9,313	9,313
240	0305020F	CCMD INTELLIGENCE INFORMATION TECHNOLOGY	1,121	1,121
241	0305022F	ISR MODERNIZATION & AUTOMATION DVMT (IMAD)	19,000	3,000
		<i>Unjustified request</i>		[-16,000]
242	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	4,544	4,544
243	0305111F	WEATHER SERVICE	25,461	27,461
		<i>Commercial weather data pilot</i>		[2,000]
244	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALs)	5,651	5,651
245	0305116F	AERIAL TARGETS	7,448	7,448
248	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES	425	425
249	0305145F	ARMS CONTROL IMPLEMENTATION	54,546	54,546
250	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	6,858	6,858
252	0305179F	INTEGRATED BROADCAST SERVICE (IBS)	8,728	8,728
253	0305202F	DRAGON U-2	38,939	38,939
255	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS	122,909	132,909
		<i>Program increase for Goryon Stare sensor enhancements</i>		[10,000]
256	0305207F	MANNED RECONNAISSANCE SYSTEMS	11,787	11,787
257	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	25,009	25,009
258	0305220F	RQ-4 UAV	191,733	173,883
		<i>Unjustified request</i>		[-17,850]
259	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING	10,757	10,757
260	0305238F	NATO AGS	32,567	32,567
261	0305240F	SUPPORT TO DCGS ENTERPRISE	37,774	37,774
262	0305600F	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITEC- TURES	13,515	13,515
263	0305881F	RAPID CYBER ACQUISITION	4,383	4,383
264	0305984F	PERSONNEL RECOVERY COMMAND & CTRL (PRC2)	2,133	2,133
265	0307577F	INTELLIGENCE MISSION DATA (IMD)	8,614	8,614
266	0401115F	C-130 AIRLIFT SQUADRON	140,425	140,425
267	0401119F	C-5 AIRLIFT SQUADRONS (IF)	10,223	10,223
268	0401130F	C-17 AIRCRAFT (IF)	25,101	25,101
269	0401132F	C-130J PROGRAM	8,640	8,640
270	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	5,424	5,424
272	0401219F	KC-10S	20	20
274	0401318F	CV-22	17,906	17,906
276	0408011F	SPECIAL TACTICS / COMBAT CONTROL	3,629	3,629
277	0702207F	DEPOT MAINTENANCE (NON-IF)	1,890	1,890
278	0708055F	MAINTENANCE, REPAIR & OVERHAUL SYSTEM	10,311	10,311
279	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	16,065	16,065
280	0708611F	SUPPORT SYSTEMS DEVELOPMENT	539	539
281	0804743F	OTHER FLIGHT TRAINING	2,057	2,057
282	0808716F	OTHER PERSONNEL ACTIVITIES	10	10
283	0901202F	JOINT PERSONNEL RECOVERY AGENCY	2,060	2,060
284	0901218F	CIVILIAN COMPENSATION PROGRAM	3,809	3,809
285	0901220F	PERSONNEL ADMINISTRATION	6,476	6,476
286	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY	1,443	1,443
287	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOP- MENT	9,323	9,323
288	0901554F	DEFENSE ENTERPRISE ACNTNG AND MGT SYS (DEAMS)	46,789	46,789
289	1201017F	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	3,647	3,647
290	1201921F	SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES	988	988
291	1202140F	SERVICE SUPPORT TO SPACECOM ACTIVITIES	11,863	11,863
293	1203001F	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)	197,388	192,388

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Line	Program Element	Item	FY 2020 Request	House Authorized
		Unjustified growth		[-5,000]
294	1203110F	SATELLITE CONTROL NETWORK (SPACE)	61,891	54,291
		Underexecution of funds and unjustified growth		[-7,600]
297	1203173F	SPACE AND MISSILE TEST AND EVALUATION CENTER	4,566	4,566
298	1203174F	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT	43,292	43,292
300	1203182F	SPACELIFT RANGE SYSTEM (SPACE)	10,837	10,837
301	1203265F	GPS III SPACE SEGMENT	42,440	42,440
302	1203400F	SPACE SUPERIORITY INTELLIGENCE	14,428	14,428
303	1203614F	JSPOC MISSION SYSTEM	72,762	51,262
		Unjustified growth		[-21,500]
304	1203620F	NATIONAL SPACE DEFENSE CENTER	2,653	2,653
306	1203873F	BALLISTIC MISSILE DEFENSE RADARS	15,881	15,881
308	1203913F	NUDET DETECTION SYSTEM (SPACE)	49,300	49,300
309	1203940F	SPACE SITUATION AWARENESS OPERATIONS	17,834	17,834
310	1206423F	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT	445,302	445,302
311	1206770F	ENTERPRISE GROUND SERVICES	138,870	128,670
		Unjustified growth		[-10,200]
311A	999999999	CLASSIFIED PROGRAMS	18,351,506	17,998,506
		Classified reduction		[-353,000]
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	24,851,488	24,243,329
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF ...	45,938,121	44,027,784
		RESEARCH, DEVELOPMENT, TEST & EVAL, DW		
		BASIC RESEARCH		
001	0601000BR	DTRA BASIC RESEARCH	26,000	26,000
002	0601101E	DEFENSE RESEARCH SCIENCES	432,284	432,284
003	0601110D8Z	BASIC RESEARCH INITIATIVES	48,874	48,874
004	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE	54,122	54,122
005	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM	92,074	112,074
		Civics education grant program		[20,000]
006	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS	30,708	30,708
		Program increase		[20,000]
007	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	45,238	45,238
		SUBTOTAL BASIC RESEARCH	729,300	769,300
		APPLIED RESEARCH		
008	0602000D8Z	JOINT MUNITIONS TECHNOLOGY	19,306	19,306
009	0602115E	BIOMEDICAL TECHNOLOGY	97,771	97,771
011	0602234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM	52,317	52,317
012	0602251D8Z	APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES	62,200	62,200
013	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY	442,556	442,556
014	0602383E	BIOLOGICAL WARFARE DEFENSE	34,588	34,588
015	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	202,587	202,587
016	0602668D8Z	CYBER SECURITY RESEARCH	15,118	15,118
017	0602702E	TACTICAL TECHNOLOGY	337,602	337,602
018	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY	223,976	223,976
019	0602716E	ELECTRONICS TECHNOLOGY	332,192	332,192
020	0602718BR	COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH	179,096	179,096
021	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH	9,580	9,580
022	1160401BB	SOF TECHNOLOGY DEVELOPMENT	40,569	40,569
		SUBTOTAL APPLIED RESEARCH	2,049,458	2,049,458
		ADVANCED TECHNOLOGY DEVELOPMENT		
023	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY	25,779	25,779
024	0603121D8Z	SO/LIC ADVANCED DEVELOPMENT	5,000	5,000
025	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	70,517	79,517
		Counterterrorism detection technologies		[3,000]
		Study of Terrorism and Responses to Terrorism (START)		[6,000]
026	0603133D8Z	FOREIGN COMPARATIVE TESTING	24,970	24,970
028	0603160BR	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT	340,065	340,065
029	0603176C	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT	14,208	14,208
030	0603178C	WEAPONS TECHNOLOGY	10,000	10,000
031	0603180C	ADVANCED RESEARCH	20,674	27,674
		Advanced carbon-carbon composites manufacturing		[7,000]
032	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	18,773	18,773
033	0603286E	ADVANCED AEROSPACE SYSTEMS	279,741	279,741
034	0603287E	SPACE PROGRAMS AND TECHNOLOGY	202,606	202,606
035	0603288D8Z	ANALYTIC ASSESSMENTS	19,429	19,429
036	0603289D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS	37,645	37,645
037	0603291D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS—MHA	14,668	14,668

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038	0603294C	COMMON KILL VEHICLE TECHNOLOGY	13,600	13,600
040	0603342D8Z	DEFENSE INNOVATION UNIT (DIU)	29,398	29,398
041	0603375D8Z	TECHNOLOGY INNOVATION	60,000	60,000
042	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT.	172,486	172,486
043	0603527D8Z	RETRACT LARCH	159,688	159,688
044	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY	12,063	17,063
		Joint electromagnetic spectrum operations		[5,000]
045	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	107,359	107,359
046	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES	2,858	2,858
047	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM.	96,397	111,397
		Additive manufacturing		[10,000]
		Integrated silicon based lasers		[5,000]
048	0603680S	MANUFACTURING TECHNOLOGY PROGRAM	42,834	42,834
049	0603699D8Z	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT	80,911	80,911
050	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	10,817	10,817
051	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	66,157	66,157
052	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT.	171,771	171,771
053	0603727D8Z	JOINT WARFIGHTING PROGRAM	4,846	4,846
054	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES	128,616	128,616
055	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	232,134	232,134
056	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY	512,424	512,424
057	0603767E	SENSOR TECHNOLOGY	163,903	163,903
058	0603769D8Z	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT.	13,723	13,723
059	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE	15,111	15,111
060	0603826D8Z	QUICK REACTION SPECIAL PROJECTS	47,147	47,147
061	0603833D8Z	ENGINEERING SCIENCE & TECHNOLOGY	19,376	19,376
062	0603924D8Z	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	85,223	85,223
063	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY	173,574	180,574
		UAV hypersonic test range		[5,000]
064	0603950D8Z	NATIONAL SECURITY INNOVATION NETWORK	25,000	30,000
		Hacking for defense		[5,000]
065	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	70,536	70,536
066	0303310D8Z	CWMD SYSTEMS	28,907	28,907
068	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT	89,154	89,154
069	1206310SDA	SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT.	20,000	41,500
		Program increase for commercial SSA; funds transferred from JSPOC Mission System.		[21,500]
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT ...	3,742,088	3,809,588
		ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES		
070	0603161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P.	42,695	42,695
071	0603600D8Z	WALKOFF	92,791	92,791
072	0603821D8Z	ACQUISITION ENTERPRISE DATA & INFORMATION SERVICES	5,659	5,659
073	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM.	66,572	66,572
074	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	302,761	302,761
075	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	1,156,506	960,506
		GBSD booster engineering		[-15,000]
		Unjustified program growth		[-181,000]
076	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEM/VAL	83,662	83,662
077	0603884C	BALLISTIC MISSILE DEFENSE SENSORS	283,487	283,487
078	0603890C	BMD ENABLING PROGRAMS	571,507	570,476
		Rescope FTM-44—Conduct IRBM test		[-1,031]
079	0603891C	SPECIAL PROGRAMS—MDA	377,098	504,098
		Classified reduction		[-8,000]
		Classified unfunded priority		[135,000]
080	0603892C	AEGIS BMD	727,479	702,479
		Unjustified cost growth		[-25,000]
081	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI.	564,206	561,706
		IBCS integration delays		[-1,500]
		Rescope FTM-44—Conduct IRBM test		[-1,000]
082	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT ...	51,532	51,532
083	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC).	56,161	56,161
084	0603906C	REGARDING TRENCH	22,424	22,424
085	0603907C	SEA BASED X-BAND RADAR (SBX)	128,156	128,156
086	0603913C	ISRAELI COOPERATIVE PROGRAMS	300,000	300,000
087	0603914C	BALLISTIC MISSILE DEFENSE TEST	395,924	393,356
		Rescope FTM-44—Conduct IRBM test		[-2,568]
088	0603915C	BALLISTIC MISSILE DEFENSE TARGETS	554,171	554,171

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089	0603920D8Z	HUMANITARIAN DEMINING	10,820	15,820
		Program increase		[5,000]
090	0603923D8Z	COALITION WARFARE	11,316	11,316
091	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM	3,365	3,365
092	0604115C	TECHNOLOGY MATURATION INITIATIVES	303,458	301,132
		Cancel Neutral Particle Beam		[-34,000]
		Increase to low power laser demonstrator		[35,000]
		Rescope FTM-44—Conduct IRBM test		[-3,336]
093	0604132D8Z	MISSILE DEFEAT PROJECT	17,816	7,816
		Lack of justification—program transitioned to military services		[-10,000]
095	0604181C	HYPERSONIC DEFENSE	157,425	157,425
096	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES	1,312,735	1,162,735
		Redign to 0604011D8Z, Next Generation Information Technology		[-50,000]
		Undistributed		[-100,000]
097	0604294D8Z	TRUSTED & ASSURED MICROELECTRONICS	542,421	542,421
098	0604331D8Z	RAPID PROTOTYPING PROGRAM	100,957	100,957
099	0604341D8Z	DEFENSE INNOVATION UNIT (DIU) PROTOTYPING	92,000	17,000
		Insufficient budget justification for national security innovation capital.		[-75,000]
100	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT.	3,021	3,021
102	0604672C	HOMELAND DEFENSE RADAR—HAWAII (HDR-H)	274,714	274,714
103	0604673C	PACIFIC DISCRIMINATING RADAR	6,711	6,711
104	0604682D8Z	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)	3,751	3,751
105	0604775BR	DEFENSE RAPID INNOVATION PROGRAM	14,021	14,021
107	0604826J	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS.	20,062	20,062
108	0604873C	LONG RANGE DISCRIMINATION RADAR (LRDR)	136,423	136,423
109	0604874C	IMPROVED HOMELAND DEFENSE INTERCEPTORS	412,363	262,363
		Program delays		[-150,000]
110	0604876C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST.	25,137	25,137
111	0604878C	AEGIS BMD TEST	169,822	148,740
		Rescope FTM-44—Conduct IRBM test		[-21,082]
112	0604879C	BALLISTIC MISSILE DEFENSE SENSOR TEST	105,530	94,566
		Rescope FTM-44—Conduct IRBM test		[-10,964]
113	0604880C	LAND-BASED SM-3 (LBSM3)	38,352	38,352
115	0604887C	BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST	98,139	96,446
		Rescope FTM-44—Conduct IRBM test		[-1,693]
117	0300206R	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS	1,600	1,600
118	0303191D8Z	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	3,191	3,191
119	0305103C	CYBER SECURITY INITIATIVE	1,138	1,138
120	12064108DA	SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING	85,000	75,000
		Increase to SDA for multi-GNSS receiver capability development		[20,000]
		Space-based discrimination study		[-15,000]
		Space-based interceptor study		[-15,000]
121	1206893C	SPACE TRACKING & SURVEILLANCE SYSTEM	35,849	35,849
122	1206895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS	27,565	135,565
		Hypersonic and Ballistic Tracking Space Sensor		[108,000]
122A	0604011D8Z	NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G).		175,000
		Program increase		[175,000]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES	9,797,493	9,554,319
		SYSTEM DEVELOPMENT AND DEMONSTRATION		
123	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD.	11,276	11,276
124	0604165D8Z	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT	107,000	0
		Lack of justification—awaiting policy		[-76,000]
		Transfer to RDTE, Army Line 100		[-31,000]
125	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD	384,047	384,047
126	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	40,102	43,102
		Cyber maturity model certification program		[3,000]
127	0605000BR	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT.	13,100	13,100
128	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT	3,070	3,070
129	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE	7,295	7,295
130	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM	17,615	7,615
		Unjustified growth		[-10,000]
131	0605027D8Z	OUS(D) IT DEVELOPMENT INITIATIVES	15,653	15,653
132	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION.	2,378	2,378
133	0605075D8Z	CMO POLICY AND INTEGRATION	1,618	1,618
134	0605080S	DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM	27,944	27,944
135	0605090S	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS)	6,609	6,609
136	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES	9,619	9,619
137	0605294D8Z	TRUSTED & ASSURED MICROELECTRONICS	175,032	175,032

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
138	0303140BL	INFORMATION SYSTEMS SECURITY PROGRAM	425	425
139	0303141K	GLOBAL COMBAT SUPPORT SYSTEM	1,578	1,578
140	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEM).	4,373	4,373
141	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION.	12,854	12,854
		SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION.	841,588	727,588
		MANAGEMENT SUPPORT		
142	0603829J	JOINT CAPABILITY EXPERIMENTATION	13,000	13,000
143	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS)	9,724	9,724
144	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	9,593	9,593
145	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP).	260,267	240,267
		Undistributed		[-20,000]
146	0604942D8Z	ASSESSMENTS AND EVALUATIONS	30,834	35,834
		Moving target defense		[5,000]
147	0605001E	MISSION SUPPORT	68,498	68,498
148	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	83,091	83,091
149	0605104D8Z	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	18,079	18,079
150	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO).	70,038	70,038
152	0605142D8Z	SYSTEMS ENGINEERING	37,140	37,140
153	0605151D8Z	STUDIES AND ANALYSIS SUPPORT—OSD	4,759	4,759
154	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY	8,307	8,307
155	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	9,441	9,441
156	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE)	1,700	1,700
157	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	110,363	110,363
166	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER.	3,568	3,568
167	0605797D8Z	MAINTAINING TECHNOLOGY ADVANTAGE	19,936	19,936
168	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS	16,875	19,875
		National Science, Technology, and Security Roundtable with Academia.		[3,000]
169	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	57,716	57,716
170	06058038E	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION.	34,448	34,448
171	0605804D8Z	DEVELOPMENT TEST AND EVALUATION	22,203	22,203
172	0605898E	MANAGEMENT HQ—R&D	13,208	13,208
173	0605998KA	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC).	3,027	3,027
174	0606100D8Z	BUDGET AND PROGRAM ASSESSMENTS	8,017	8,017
175	0606225D8Z	ODNA TECHNOLOGY AND RESOURCE ANALYSIS	3,194	3,194
176	0606589D8W	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT	1,000	1,000
179	0203345D8Z	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI)	3,037	3,037
180	0204571J	JOINT STAFF ANALYTICAL SUPPORT	9,216	9,216
183	0303166J	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES	553	553
184	0303260D8Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO)	1,014	1,014
185	0305172K	COMBINED ADVANCED APPLICATIONS	58,667	58,667
187	0305245D8Z	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS	21,081	21,081
189	0307588D8Z	ALGORITHMIC WARFARE CROSS FUNCTIONAL TEAMS	221,235	221,235
191	0804768J	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)—NON-MHA.	40,073	40,073
192	08087098E	DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI).	100	100
193	0901598C	MANAGEMENT HQ—MDA	27,065	27,065
194	0903235K	JOINT SERVICE PROVIDER (JSP)	3,090	3,090
194A	9999999999	CLASSIFIED PROGRAMS	51,471	51,471
		SUBTOTAL MANAGEMENT SUPPORT	1,354,628	1,342,628
		OPERATIONAL SYSTEM DEVELOPMENT		
195	0604130V	ENTERPRISE SECURITY SYSTEM (ESS)	7,945	7,945
196	0604532K	JOINT ARTIFICIAL INTELLIGENCE	208,834	166,834
		Early to need		[-42,000]
197	0605127T	REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANA.	1,947	1,947
198	0605147T	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SYSTEM (OHASIS).	310	310
199	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	10,051	19,051
		Composite manufacturing technology		[5,000]
		Lithium ion batteries		[4,000]
200	0607310D8Z	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT	12,734	12,734
201	0607327T	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS).	14,800	14,800
202	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT).	54,023	54,023
203	0208043J	PLANNING AND DECISION AID SYSTEM (PDAS)	4,537	4,537

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
204	0208045K	CAI INTEROPERABILITY	64,122	64,122
210	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTE- GRATION.	15,798	15,798
211	0303126K	LONG-HAUL COMMUNICATIONS—DCS	11,166	11,166
212	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NET- WORK (MEECN).	17,383	17,383
214	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI)	54,516	54,516
215	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM	67,631	89,631
		<i>Cyber institutes for senior military colleges</i>		[12,000]
		<i>Implementation of Cyber Excepted Service</i>		[10,000]
216	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM	289,080	287,198
		<i>Redignment to DISA for Sharkseer</i>		[-1,882]
217	0303140K	INFORMATION SYSTEMS SECURITY PROGRAM	42,796	44,678
		<i>Redignment for Sharkseer</i>		[1,882]
218	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM	25,218	25,218
219	0303153K	DEFENSE SPECTRUM ORGANIZATION	21,698	21,698
220	0303228K	JOINT REGIONAL SECURITY STACKS (JRSS)	18,077	18,077
222	0303430K	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECH- NOLOGY.	44,001	44,001
228	0305128V	SECURITY AND INVESTIGATIVE ACTIVITIES	2,400	2,400
232	0305186D8Z	POLICY R&D PROGRAMS	6,301	6,301
233	0305199D8Z	NET CENTRICITY	21,384	21,384
235	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	6,359	6,359
238	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	2,981	2,981
241	0305327V	INSIDER THREAT	1,964	1,964
242	0305387D8Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	2,221	2,221
250	0708012K	LOGISTICS SUPPORT ACTIVITIES	1,361	1,361
251	0708012S	PACIFIC DISASTER CENTERS	1,770	1,770
252	0708047S	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM	3,679	3,679
254	1105219BB	MQ-9 UAV	20,697	20,697
256	1160403BB	AVIATION SYSTEMS	245,795	263,021
		<i>Program increase—Future Vertical Lift</i>		[8,800]
		<i>Program increase—RFCM</i>		[8,426]
257	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT	15,484	15,484
258	1160408BB	OPERATIONAL ENHANCEMENTS	166,922	166,922
259	1160431BB	WARRIOR SYSTEMS	62,332	62,332
260	1160432BB	SPECIAL PROGRAMS	21,805	21,805
261	1160434BB	UNMANNED ISR	37,377	37,377
262	1160480BB	SOF TACTICAL VEHICLES	11,150	11,150
263	1160483BB	MARITIME SYSTEMS	72,626	72,626
264	1160489BB	GLOBAL VIDEO SURVEILLANCE ACTIVITIES	5,363	5,363
265	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE	12,962	12,962
266	1203610K	TELEPORT PROGRAM	6,158	6,158
266A	9999999999	CLASSIFIED PROGRAMS	4,542,640	4,542,640
267A	9999999999	UNDISTRIBUTED		119,000
		<i>Transfer to NRO for weather satellite procurement to mitigate weather capability gaps risk in 2022–2023.</i>		[119,000]
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT	6,258,398	6,383,624
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW ..	24,772,953	24,636,505
		OPERATIONAL TEST & EVAL, DEFENSE MANAGEMENT SUPPORT		
001	0605118OTE	OPERATIONAL TEST AND EVALUATION	93,291	93,291
002	0605131OTE	LIVE FIRE TEST AND EVALUATION	69,172	69,172
003	0605814OTE	OPERATIONAL TEST ACTIVITIES AND ANALYSES	58,737	58,737
		SUBTOTAL MANAGEMENT SUPPORT	221,200	221,200
		TOTAL OPERATIONAL TEST & EVAL, DEFENSE	221,200	221,200
		TOTAL RDT&E	103,395,544	100,716,668

1 **SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**
2 **TION FOR OVERSEAS CONTINGENCY OPER-**
3 **ATIONS.**

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OP-
ERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY				

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
074	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	500	500
079	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	3,000	3,000
085	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	1,085	1,085
095	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD)	6,000	0
		Unjustified request		[-6,000]
097	0604119A	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING ...	4,529	4,529
105	0604785A	INTEGRATED BASE DEFENSE (BUDGET ACTIVITY 4)	2,000	0
		Unjustified request		[-2,000]
SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.			17,114	9,114
SYSTEM DEVELOPMENT & DEMONSTRATION				
151	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM)	11,770	11,770
159	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT	77,420	77,420
163	0605203A	ARMY SYSTEM DEVELOPMENT & DEMONSTRATION	19,527	19,527
174	0304270A	ELECTRONIC WARFARE DEVELOPMENT	3,200	3,200
SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION			111,917	111,917
RDT&E MANAGEMENT SUPPORT				
200	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION	1,875	1,875
SUBTOTAL RDT&E MANAGEMENT SUPPORT			1,875	1,875
OPERATIONAL SYSTEMS DEVELOPMENT				
238	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES	22,904	22,904
246	0305204A	TACTICAL UNMANNED AERIAL VEHICLES	34,100	34,100
247	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS	14,000	14,000
252	0307665A	BIOMETRICS ENABLED INTELLIGENCE	2,214	2,214
SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT			73,218	73,218
TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY			204,124	196,124
RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY				
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
028	0603207N	AIR/OCEAN TACTICAL APPLICATIONS	2,400	2,400
038	0603527N	RETRACT LARCH	22,000	22,000
057	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	14,178	14,178
069	0603795N	LAND ATTACK TECHNOLOGY	1,428	1,428
SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.			40,006	40,006
SYSTEM DEVELOPMENT & DEMONSTRATION				
143	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	1,122	1,122
SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION			1,122	1,122
OPERATIONAL SYSTEMS DEVELOPMENT				
228	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	15,000	15,000
259A	999999999	CLASSIFIED PROGRAMS	108,282	108,282
SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT			123,282	123,282
TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY			164,410	164,410
RESEARCH, DEVELOPMENT, TEST & EVAL, AF				
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
048	0604858F	TECH TRANSITION PROGRAM	26,450	26,450
072	1206857F	SPACE RAPID CAPABILITIES OFFICE	17,885	17,885
SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.			44,335	44,335
OPERATIONAL SYSTEMS DEVELOPMENT				
177	0205671F	JOINT COUNTER RCIED ELECTRONIC WARFARE	4,000	4,000
217	0208288F	INTEL DATA APPLICATIONS	1,200	1,200
311A	999999999	CLASSIFIED PROGRAMS	78,713	78,713
SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT			83,913	83,913
TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF			128,248	128,248
RESEARCH, DEVELOPMENT, TEST & EVAL, DW				
APPLIED RESEARCH				
010	0602134BR	COUNTER IMPROVISED-THREAT ADVANCED STUDIES	1,677	1,677
SUBTOTAL APPLIED RESEARCH			1,677	1,677
ADVANCED TECHNOLOGY DEVELOPMENT				
025	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	25,230	25,230
027	0603134BR	COUNTER IMPROVISED-THREAT SIMULATION	49,528	49,528

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	74,758	74,758
		ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES		
094	0604134BB	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	113,590	113,590
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.	113,590	113,590
		OPERATIONAL SYSTEM DEVELOPMENT UNDISTRIBUTED		
258	1160408BB	OPERATIONAL ENHANCEMENTS	726	726
259	1160431BB	WARRIOR SYSTEMS	6,000	6,000
261	1160434BB	UNMANNED ISR	5,000	5,000
266A	9999999999	CLASSIFIED PROGRAMS	200,199	200,199
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT	211,925	211,925
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW	401,950	401,950
		TOTAL RDT&E	898,732	890,732

1 **TITLE XLIII—OPERATION AND**
2 **MAINTENANCE**

3 **SEC. 4301. OPERATION AND MAINTENANCE.**

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
	OPERATION & MAINTENANCE, ARMY		
	OPERATING FORCES		
010	MANEUVER UNITS	1,735,922	1,659,222
	Unjustified growth		[-76,700]
020	MODULAR SUPPORT BRIGADES	127,815	126,515
	Unjustified growth		[-1,300]
030	ECHELONS ABOVE BRIGADE	716,356	709,356
	Unjustified growth		[-7,000]
040	THEATER LEVEL ASSETS	890,891	881,991
	Unjustified growth		[-8,900]
050	LAND FORCES OPERATIONS SUPPORT	1,232,477	1,230,477
	Unjustified growth		[-2,000]
060	AVIATION ASSETS	1,355,606	1,282,106
	Excess to need		[-73,500]
070	FORCE READINESS OPERATIONS SUPPORT	3,882,315	2,659,315
	Excess FTE request		[-38,000]
	Female Personal Protective Equipment		[2,000]
	Realignment to OCO		[-1,100,000]
	Unjustified growth		[-12,000]
	Unjustified transfer		[-75,000]
080	LAND FORCES SYSTEMS READINESS	417,069	417,069
090	LAND FORCES DEPOT MAINTENANCE	1,633,327	1,633,327
100	BASE OPERATIONS SUPPORT	8,047,933	8,002,933
	Unjustified growth		[-45,000]
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	4,326,840	4,051,840
	Unexecutable growth		[-275,000]
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	405,612	405,612
160	US AFRICA COMMAND	251,511	251,511
170	US EUROPEAN COMMAND	146,358	146,358
180	US SOUTHERN COMMAND	191,840	218,340
	Multi-Mission Support Vessel		[18,000]
	Overland airborne ISR operations		[8,500]
190	US FORCES KOREA	57,603	57,603
200	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	423,156	423,156
210	CYBERSPACE ACTIVITIES—CYBERSECURITY	551,185	551,185

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
	SUBTOTAL OPERATING FORCES	26,393,816	24,707,916
	MOBILIZATION		
220	STRATEGIC MOBILITY	380,577	380,577
230	ARMY PREPOSITIONED STOCKS	362,942	362,942
240	INDUSTRIAL PREPAREDNESS	4,637	4,637
	SUBTOTAL MOBILIZATION	748,156	748,156
	TRAINING AND RECRUITING		
250	OFFICER ACQUISITION	157,175	157,175
260	RECRUIT TRAINING	55,739	55,739
270	ONE STATION UNIT TRAINING	62,300	62,300
280	SENIOR RESERVE OFFICERS TRAINING CORPS	538,357	538,357
290	SPECIALIZED SKILL TRAINING	969,813	969,813
300	FLIGHT TRAINING	1,234,049	1,209,049
	Changes to AH-64E Program		[-25,000]
310	PROFESSIONAL DEVELOPMENT EDUCATION	218,338	218,338
320	TRAINING SUPPORT	554,659	550,659
	Excess travel request		[-4,000]
330	RECRUITING AND ADVERTISING	716,056	716,056
340	EXAMINING	185,034	185,034
350	OFF-DUTY AND VOLUNTARY EDUCATION	214,275	214,275
360	CIVILIAN EDUCATION AND TRAINING	147,647	147,647
370	JUNIOR RESERVE OFFICER TRAINING CORPS	173,812	173,812
	SUBTOTAL TRAINING AND RECRUITING	5,227,254	5,198,254
	ADMIN & SRVWIDE ACTIVITIES		
390	SERVICEMAN TRANSPORTATION	559,229	559,229
400	CENTRAL SUPPLY ACTIVITIES	929,944	927,944
	Excess personnel		[-2,000]
410	LOGISTIC SUPPORT ACTIVITIES	629,981	629,981
420	AMMUNITION MANAGEMENT	458,771	458,771
430	ADMINISTRATION	428,768	428,768
440	SERVICEMAN COMMUNICATIONS	1,512,736	1,512,736
450	MANPOWER MANAGEMENT	272,738	272,738
460	OTHER PERSONNEL SUPPORT	391,869	381,869
	Unjustified growth		[-10,000]
470	OTHER SERVICE SUPPORT	1,901,165	1,896,080
	Unjustified headquarters growth		[-5,085]
480	ARMY CLAIMS ACTIVITIES	198,765	198,765
490	REAL ESTATE MANAGEMENT	226,248	226,248
500	FINANCIAL MANAGEMENT AND AUDIT READINESS	315,489	310,489
	Unjustified growth to General Fund Enterprise Business System		[-5,000]
510	INTERNATIONAL MILITARY HEADQUARTERS	427,254	427,254
520	MISC. SUPPORT OF OTHER NATIONS	43,248	43,248
565	CLASSIFIED PROGRAMS	1,347,053	1,347,053
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	9,643,258	9,621,173
	UNDISTRIBUTED		
570	UNDISTRIBUTED		-110,000
	Overestimation of Civilian FTE Targets		[-110,000]
	SUBTOTAL UNDISTRIBUTED		-110,000
	TOTAL OPERATION & MAINTENANCE, ARMY	42,012,484	40,165,499
	OPERATION & MAINTENANCE, ARMY RES		
	OPERATING FORCES		
010	MODULAR SUPPORT BRIGADES	11,927	11,927
020	ECHELONS ABOVE BRIGADE	533,015	533,015
030	THEATER LEVEL ASSETS	119,517	118,101
	Insufficient justification		[-1,416]
040	LAND FORCES OPERATIONS SUPPORT	550,468	548,268
	Insufficient justification		[-2,200]
050	AVIATION ASSETS	86,670	85,170
	Unjustified growth		[-1,500]
060	FORCE READINESS OPERATIONS SUPPORT	390,061	388,661
	Excess civilian increase		[-400]
	Excess travel increase		[-1,000]
070	LAND FORCES SYSTEMS READINESS	101,890	101,890
080	LAND FORCES DEPOT MAINTENANCE	48,503	48,503

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
090	BASE OPERATIONS SUPPORT	598,907	598,907
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	444,376	444,376
110	MANAGEMENT AND OPERATIONAL HEADQUARTERS	22,095	22,095
120	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	3,288	3,288
130	CYBERSPACE ACTIVITIES—CYBERSECURITY	7,655	7,655
	SUBTOTAL OPERATING FORCES	2,918,372	2,911,856
	ADMIN & SRVWD ACTIVITIES		
140	SERVICEWIDE TRANSPORTATION	14,533	14,533
150	ADMINISTRATION	17,231	17,231
160	SERVICEWIDE COMMUNICATIONS	14,304	14,304
170	MANPOWER MANAGEMENT	6,129	6,129
180	RECRUITING AND ADVERTISING	58,541	58,541
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	110,738	110,738
	TOTAL OPERATION & MAINTENANCE, ARMY RES ...	3,029,110	3,022,594
	OPERATION & MAINTENANCE, ARNG OPERATING FORCES		
010	MANEUVER UNITS	805,671	797,671
	<i>Excess growth</i>		<i>[-8,000]</i>
020	MODULAR SUPPORT BRIGADES	195,334	193,334
	<i>Excess growth</i>		<i>[-2,000]</i>
030	ECHELONS ABOVE BRIGADE	771,048	770,548
	<i>Excess growth</i>		<i>[-500]</i>
040	THEATER LEVEL ASSETS	94,726	91,826
	<i>Excess growth</i>		<i>[-2,900]</i>
050	LAND FORCES OPERATIONS SUPPORT	33,696	33,696
060	AVIATION ASSETS	981,819	973,819
	<i>Insufficient justification</i>		<i>[-8,000]</i>
070	FORCE READINESS OPERATIONS SUPPORT	743,206	743,206
080	LAND FORCES SYSTEMS READINESS	50,963	50,963
090	LAND FORCES DEPOT MAINTENANCE	258,278	249,778
	<i>Insufficient justification</i>		<i>[-8,500]</i>
100	BASE OPERATIONS SUPPORT	1,153,076	1,121,576
	<i>Insufficient justification</i>		<i>[-31,500]</i>
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	1,113,475	1,033,475
	<i>Insufficient justification</i>		<i>[-80,000]</i>
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	1,001,042	987,042
	<i>Insufficient justification</i>		<i>[-14,000]</i>
130	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	8,448	8,448
140	CYBERSPACE ACTIVITIES—CYBERSECURITY	7,768	7,768
	SUBTOTAL OPERATING FORCES	7,218,550	7,063,150
	ADMIN & SRVWD ACTIVITIES		
150	SERVICEWIDE TRANSPORTATION	9,890	9,890
160	ADMINISTRATION	71,070	71,070
170	SERVICEWIDE COMMUNICATIONS	68,213	68,213
180	MANPOWER MANAGEMENT	8,628	8,628
190	OTHER PERSONNEL SUPPORT	250,376	250,376
200	REAL ESTATE MANAGEMENT	2,676	2,676
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	410,853	410,853
	TOTAL OPERATION & MAINTENANCE, ARNG	7,629,403	7,474,003
	OPERATION & MAINTENANCE, NAVY OPERATING FORCES		
010	MISSION AND OTHER FLIGHT OPERATIONS	5,309,109	5,029,734
	<i>Excess growth</i>		<i>[-15,000]</i>
	<i>Projected underexecution</i>		<i>[-50,000]</i>
	<i>Realignment to OCO</i>		<i>[-214,375]</i>
020	FLEET AIR TRAINING	2,284,828	2,234,828
	<i>Projected underexecution</i>		<i>[-50,000]</i>
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES	59,299	59,299
040	AIR OPERATIONS AND SAFETY SUPPORT	155,896	155,896
050	AIR SYSTEMS SUPPORT	719,107	719,107
060	AIRCRAFT DEPOT MAINTENANCE	1,154,181	1,154,181
070	AIRCRAFT DEPOT OPERATIONS SUPPORT	60,402	59,202

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
	<i>Excess growth</i>		[-1,200]
080	AVIATION LOGISTICS	1,241,421	1,219,421
	<i>Projected underexecution</i>		[-22,000]
090	MISSION AND OTHER SHIP OPERATIONS	4,097,262	3,596,262
	<i>Realignment to OCO</i>		[-450,000]
	<i>Unjustified growth</i>		[-51,000]
100	SHIP OPERATIONS SUPPORT & TRAINING	1,031,792	1,029,792
	<i>Excess civilian growth</i>		[-2,000]
110	SHIP DEPOT MAINTENANCE	8,061,298	8,875,298
	<i>Surface ship maintenance</i>		[161,000]
	<i>USS Boise</i>		[290,000]
	<i>USS Columbus</i>		[57,000]
	<i>USS Hartford</i>		[306,000]
120	SHIP DEPOT OPERATIONS SUPPORT	2,073,641	2,066,141
	<i>Insufficient justification</i>		[-7,500]
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE ...	1,378,856	1,378,856
140	SPACE SYSTEMS AND SURVEILLANCE	276,245	273,745
	<i>Unjustified growth</i>		[-2,500]
150	WARFARE TACTICS	675,209	675,209
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	389,516	389,516
170	COMBAT SUPPORT FORCES	1,536,310	1,526,310
	<i>Unjustified growth</i>		[-10,000]
180	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUP- PORT	161,579	161,579
190	COMBATANT COMMANDERS CORE OPERATIONS	59,521	59,521
200	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	93,978	93,978
210	MILITARY INFORMATION SUPPORT OPERATIONS	8,641	8,641
220	CYBERSPACE ACTIVITIES	496,385	496,385
230	FLEET BALLISTIC MISSILE	1,423,339	1,423,339
240	WEAPONS MAINTENANCE	924,069	895,032
	<i>Insufficient justification</i>		[-29,037]
250	OTHER WEAPON SYSTEMS SUPPORT	540,210	540,210
260	ENTERPRISE INFORMATION	1,131,627	1,081,627
	<i>Unjustified growth</i>		[-50,000]
270	SUSTAINMENT, RESTORATION AND MODERNIZATION	3,029,634	2,929,634
	<i>Unexecutable growth</i>		[-100,000]
280	BASE OPERATING SUPPORT	4,414,943	4,414,943
	SUBTOTAL OPERATING FORCES	42,788,298	42,547,686
	MOBILIZATION		
290	SHIP PREPOSITIONING AND SURGE	942,902	668,561
	<i>Realignment to NDSF (DoD mobilization alterations)</i>		[-9,590]
	<i>Realignment to NDSF (LSMR maintenance)</i>		[-264,751]
300	READY RESERVE FORCE	352,044	0
	<i>Realignment to NDSF</i>		[-352,044]
310	SHIP ACTIVATIONS/INACTIVATIONS	427,555	427,555
320	EXPEDITIONARY HEALTH SERVICES SYSTEMS	137,597	40,730
	<i>Realignment to NDSF (TAH maintenance)</i>		[-96,867]
330	COAST GUARD SUPPORT	24,604	24,604
	SUBTOTAL MOBILIZATION	1,884,702	1,161,450
	TRAINING AND RECRUITING		
340	OFFICER ACQUISITION	150,765	150,765
350	RECRUIT TRAINING	11,584	11,584
360	RESERVE OFFICERS TRAINING CORPS	159,133	159,133
370	SPECIALIZED SKILL TRAINING	911,316	891,316
	<i>Insufficient justification</i>		[-20,000]
380	PROFESSIONAL DEVELOPMENT EDUCATION	185,211	186,261
	<i>Program Increase: Sea Cadets</i>		[1,050]
390	TRAINING SUPPORT	267,224	267,224
400	RECRUITING AND ADVERTISING	209,252	209,252
410	OFF-DUTY AND VOLUNTARY EDUCATION	88,902	88,902
420	CIVILIAN EDUCATION AND TRAINING	67,492	67,492
430	JUNIOR ROTC	55,164	55,164
	SUBTOTAL TRAINING AND RECRUITING	2,106,043	2,087,093
	ADMIN & SRVWD ACTIVITIES		
440	ADMINISTRATION	1,143,358	1,096,733
	<i>Excess civilian growth</i>		[-14,375]
	<i>Insufficient justification—MHA Transfer</i>		[-25,500]

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
	Unjustified growth		[-6,750]
450	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	178,342	175,342
	Excess civilian growth		[-3,000]
460	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	418,413	418,413
490	SERVICEWIDE TRANSPORTATION	157,465	157,465
510	PLANNING, ENGINEERING, AND PROGRAM SUPPORT	485,397	485,397
520	ACQUISITION, LOGISTICS, AND OVERSIGHT	654,137	654,137
530	INVESTIGATIVE AND SECURITY SERVICES	718,061	718,061
645	CLASSIFIED PROGRAMS	591,535	591,535
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	4,346,708	4,297,083
	UNDISTRIBUTED		
650	UNDISTRIBUTED		-30,000
	Overestimation of Civilian FTE Targets		[-30,000]
	SUBTOTAL UNDISTRIBUTED		-30,000
	TOTAL OPERATION & MAINTENANCE, NAVY	51,125,751	50,063,312
	OPERATION & MAINTENANCE, MARINE CORPS		
	OPERATING FORCES		
010	OPERATIONAL FORCES	968,224	927,224
	Excess civilian growth		[-1,000]
	Unjustified growth		[-40,000]
020	FIELD LOGISTICS	1,278,533	1,269,533
	Excess civilian growth		[-2,000]
	Unjustified growth		[-7,000]
030	DEPOT MAINTENANCE	232,991	232,991
040	MARITIME PREPOSITIONING	100,396	100,396
050	CYBERSPACE ACTIVITIES	203,580	201,580
	Excess civilian growth		[-2,000]
060	SUSTAINMENT, RESTORATION & MODERNIZATION	1,559,034	1,559,034
070	BASE OPERATING SUPPORT	2,253,776	2,213,776
	Excess civilian growth		[-6,000]
	Unjustified growth		[-34,000]
	SUBTOTAL OPERATING FORCES	6,596,534	6,504,534
	TRAINING AND RECRUITING		
080	RECRUIT TRAINING	21,240	21,240
090	OFFICER ACQUISITION	1,168	1,168
100	SPECIALIZED SKILL TRAINING	106,601	106,601
110	PROFESSIONAL DEVELOPMENT EDUCATION	49,095	49,095
120	TRAINING SUPPORT	407,315	403,715
	Excess civilian growth		[-1,300]
	Unjustified growth		[-2,300]
130	RECRUITING AND ADVERTISING	210,475	210,475
140	OFF-DUTY AND VOLUNTARY EDUCATION	42,810	42,810
150	JUNIOR ROTC	25,183	25,183
	SUBTOTAL TRAINING AND RECRUITING	863,887	860,287
	ADMIN & SRVWD ACTIVITIES		
160	SERVICEWIDE TRANSPORTATION	29,894	29,894
170	ADMINISTRATION	384,352	383,002
	Excess civilian growth		[-750]
	Unjustified growth		[-600]
225	CLASSIFIED PROGRAMS	52,057	52,057
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	466,303	464,953
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	7,926,724	7,829,774
	OPERATION & MAINTENANCE, NAVY RES		
	OPERATING FORCES		
010	MISSION AND OTHER FLIGHT OPERATIONS	654,220	639,220
	Unjustified growth		[-15,000]
020	INTERMEDIATE MAINTENANCE	8,767	8,767
030	AIRCRAFT DEPOT MAINTENANCE	108,236	108,236
040	AIRCRAFT DEPOT OPERATIONS SUPPORT	463	463
050	AVIATION LOGISTICS	26,014	26,014
060	SHIP OPERATIONS SUPPORT & TRAINING	583	583
070	COMBAT COMMUNICATIONS	17,883	17,883

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
080	COMBAT SUPPORT FORCES	128,079	128,079
090	CYBERSPACE ACTIVITIES	356	356
100	ENTERPRISE INFORMATION	26,133	26,133
110	SUSTAINMENT, RESTORATION AND MODERNIZATION	35,397	35,397
120	BASE OPERATING SUPPORT	101,376	101,376
	SUBTOTAL OPERATING FORCES	1,107,507	1,092,507
	ADMIN & SRVWD ACTIVITIES		
130	ADMINISTRATION	1,888	1,888
140	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	12,778	12,778
150	ACQUISITION AND PROGRAM MANAGEMENT	2,943	2,943
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	17,609	17,609
	TOTAL OPERATION & MAINTENANCE, NAVY RES ...	1,125,116	1,110,116
	OPERATION & MAINTENANCE, MC RESERVE		
	OPERATING FORCES		
010	OPERATING FORCES	106,484	106,484
020	DEPOT MAINTENANCE	18,429	18,429
030	SUSTAINMENT, RESTORATION AND MODERNIZATION	47,516	47,516
040	BASE OPERATING SUPPORT	106,073	106,073
	SUBTOTAL OPERATING FORCES	278,502	278,502
	ADMIN & SRVWD ACTIVITIES		
050	ADMINISTRATION	13,574	13,574
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	13,574	13,574
	TOTAL OPERATION & MAINTENANCE, MC RE-SERVE	292,076	292,076
	OPERATION & MAINTENANCE, AIR FORCE		
	OPERATING FORCES		
010	PRIMARY COMBAT FORCES	729,127	727,477
	Excess travel costs		[-1,650]
020	COMBAT ENHANCEMENT FORCES	1,318,770	1,318,770
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	1,486,790	1,446,790
	Unjustified growth		[-40,000]
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	3,334,792	3,534,792
	Readiness restoration		[200,000]
050	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	4,142,435	4,142,435
060	CYBERSPACE SUSTAINMENT	228,811	228,811
070	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	8,329,364	8,438,364
	Expansion of Conditions Based Maintenance Plus (CBM+)		[18,000]
	Readiness restoration		[91,000]
080	FLYING HOUR PROGRAM	4,048,773	3,498,773
	Realignment to OCO		[-550,000]
090	BASE SUPPORT	7,223,982	7,073,982
	Insufficient justification		[-150,000]
100	GLOBAL C3I AND EARLY WARNING	964,553	964,553
110	OTHER COMBAT OPS SPT PROGRAMS	1,032,307	1,026,161
	Unjustified growth		[-6,146]
120	CYBERSPACE ACTIVITIES	670,076	670,076
140	LAUNCH FACILITIES	179,980	179,980
150	SPACE CONTROL SYSTEMS	467,990	464,490
	Insufficient justification		[-3,500]
160	US NORTHCOM/NORAD	184,655	184,655
170	US STRATCOM	478,357	478,357
180	US CYBERCOM	323,121	323,121
190	US CENTCOM	160,989	160,989
200	US SOCOM	6,225	6,225
210	US TRANSCOM	544	544
220	CENTCOM CYBERSPACE SUSTAINMENT	2,073	2,073
230	USSPACECOM	70,588	70,588
235	CLASSIFIED PROGRAMS	1,322,944	1,322,944
	SUBTOTAL OPERATING FORCES	36,707,246	36,264,950
	MOBILIZATION		
240	AIRLIFT OPERATIONS	1,158,142	1,151,342
	Unjustified growth		[-6,800]

SEC. 4301. OPERATION AND MAINTENANCE <i>(In Thousands of Dollars)</i>			
Line	Item	FY 2020 Request	House Authorized
250	MOBILIZATION PREPAREDNESS	138,672	130,172
	Unjustified growth		[-8,500]
	SUBTOTAL MOBILIZATION	1,296,814	1,281,514
	TRAINING AND RECRUITING		
260	OFFICER ACQUISITION	130,835	130,835
270	RECRUIT TRAINING	26,021	26,021
280	RESERVE OFFICERS TRAINING CORPS (ROTC)	121,391	121,391
290	SPECIALIZED SKILL TRAINING	454,539	449,539
	Insufficient justification		[-5,000]
300	FLIGHT TRAINING	600,565	600,565
310	PROFESSIONAL DEVELOPMENT EDUCATION	282,788	282,788
320	TRAINING SUPPORT	123,988	119,988
	Unjustified growth		[-4,000]
330	RECRUITING AND ADVERTISING	167,731	167,731
340	EXAMINING	4,576	4,576
350	OFF-DUTY AND VOLUNTARY EDUCATION	211,911	211,911
360	CIVILIAN EDUCATION AND TRAINING	219,021	219,021
370	JUNIOR ROTC	62,092	62,092
	SUBTOTAL TRAINING AND RECRUITING	2,405,458	2,396,458
	ADMIN & SRVWD ACTIVITIES		
380	LOGISTICS OPERATIONS	664,926	664,926
390	TECHNICAL SUPPORT ACTIVITIES	101,483	101,483
400	ADMINISTRATION	892,480	892,480
410	SERVICEWIDE COMMUNICATIONS	152,532	152,532
420	OTHER SERVICEWIDE ACTIVITIES	1,254,089	1,254,089
430	CIVIL AIR PATROL	30,070	37,200
	Improved emergency crew readiness		[7,130]
460	INTERNATIONAL SUPPORT	136,110	136,110
465	CLASSIFIED PROGRAMS	1,269,624	1,269,624
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	4,501,314	4,508,444
	TOTAL OPERATION & MAINTENANCE, AIR FORCE ..	44,910,832	44,451,366
	OPERATION & MAINTENANCE, SPACE FORCE		
	OPERATING FORCES		
010	BASE SUPPORT	72,436	15,000
	Insufficient justification		[-57,436]
	SUBTOTAL OPERATING FORCES	72,436	15,000
	TOTAL OPERATION & MAINTENANCE, SPACE FORCE	72,436	15,000
	OPERATION & MAINTENANCE, AF RESERVE		
	OPERATING FORCES		
010	PRIMARY COMBAT FORCES	1,781,413	1,739,288
	Delay in KC-46 aircraft delivery		[-31,492]
	Excess Growth		[-10,633]
020	MISSION SUPPORT OPERATIONS	209,650	204,150
	Insufficient justification		[-5,500]
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	494,235	484,235
	Excess growth		[-10,000]
040	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	128,746	128,746
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	256,512	256,512
060	BASE SUPPORT	414,626	414,626
070	CYBERSPACE ACTIVITIES	1,673	1,673
	SUBTOTAL OPERATING FORCES	3,286,855	3,229,230
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
080	ADMINISTRATION	69,436	69,436
090	RECRUITING AND ADVERTISING	22,124	22,124
100	MILITARY MANPOWER AND PERS MGMT (ARPC)	10,946	10,946
110	OTHER PERS SUPPORT (DISABILITY COMP)	7,009	7,009
120	AUDIOVISUAL	448	448
	SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES	109,963	109,963
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	3,396,818	3,339,193

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
OPERATION & MAINTENANCE, ANG			
OPERATING FORCES			
010	AIRCRAFT OPERATIONS	2,497,967	2,414,000
	Delay in KC-46 aircraft delivery		[-5,267]
	Insufficient justification		[-78,700]
020	MISSION SUPPORT OPERATIONS	600,377	585,377
	Insufficient justification		[-15,000]
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	879,467	872,467
	Excess growth		[-7,000]
040	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	400,734	395,134
	Insufficient justification		[-5,600]
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,299,089	1,290,089
	Excess growth		[-9,000]
060	BASE SUPPORT	911,775	901,775
	Insufficient justification		[-10,000]
070	CYBERSPACE SUSTAINMENT	24,742	24,742
080	CYBERSPACE ACTIVITIES	25,507	25,507
	SUBTOTAL OPERATING FORCES	6,639,658	6,509,091
ADMINISTRATION AND SERVICE-WIDE ACTIVITIES			
090	ADMINISTRATION	47,215	47,215
100	RECRUITING AND ADVERTISING	40,356	40,356
	SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES	87,571	87,571
	TOTAL OPERATION & MAINTENANCE, ANG	6,727,229	6,596,662
OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES			
010	JOINT CHIEFS OF STAFF	409,542	409,542
020	JOINT CHIEFS OF STAFF—CE2T2	579,179	579,179
030	JOINT CHIEFS OF STAFF—CYBER	24,598	24,598
040	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES	1,075,762	1,075,762
050	SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES	14,409	14,409
060	SPECIAL OPERATIONS COMMAND INTELLIGENCE	501,747	486,747
	Program decrease—SOCRATES		[-9,000]
	Unjustified growth—DCGS		[-6,000]
070	SPECIAL OPERATIONS COMMAND MAINTENANCE	559,300	544,300
	Projected underexecution		[-15,000]
080	SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS	177,928	177,928
090	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT	925,262	899,262
	Base support underexecution		[-6,000]
	Operational support underexecution		[-10,000]
	Unjustified growth—CALAS Saas		[-10,000]
100	SPECIAL OPERATIONS COMMAND THEATER FORCES	2,764,738	2,724,738
	Program decrease		[-55,000]
	Program increase—suicide prevention		[15,000]
	SUBTOTAL OPERATING FORCES	7,032,465	6,936,465
TRAINING AND RECRUITING			
120	DEFENSE ACQUISITION UNIVERSITY	180,250	180,250
130	JOINT CHIEFS OF STAFF	100,610	100,610
140	PROFESSIONAL DEVELOPMENT EDUCATION	33,967	33,967
	SUBTOTAL TRAINING AND RECRUITING	314,827	314,827
ADMIN & SRVWIDE ACTIVITIES			
160	CIVIL MILITARY PROGRAMS	165,707	195,707
	Program increase—STARBASE		[30,000]
180	DEFENSE CONTRACT AUDIT AGENCY	627,467	627,467
190	DEFENSE CONTRACT AUDIT AGENCY—CYBER	3,362	3,362
200	DEFENSE CONTRACT MANAGEMENT AGENCY	1,438,068	1,438,068
210	DEFENSE CONTRACT MANAGEMENT AGENCY—CYBER	24,391	24,391
220	DEFENSE HUMAN RESOURCES ACTIVITY	892,438	892,438
230	DEFENSE INFORMATION SYSTEMS AGENCY	2,012,885	2,028,022
	Realignment for Sharkseer		[35,137]

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
	Unjustified growth		[-20,000]
240	DEFENSE INFORMATION SYSTEMS AGENCY—CYBER	601,223	601,223
270	DEFENSE LEGAL SERVICES AGENCY	34,632	34,632
280	DEFENSE LOGISTICS AGENCY	415,699	430,199
	Excess growth		[-5,000]
	Program increase—PTAP		[19,500]
290	DEFENSE MEDIA ACTIVITY	202,792	202,792
300	DEFENSE PERSONNEL ACCOUNTING AGENCY	144,881	144,881
310	DEFENSE SECURITY COOPERATION AGENCY	696,884	681,884
	Increase for AM&E		[-11,000]
	Increase for AM&E		[11,000]
	Unjustified growth		[-15,000]
320	DEFENSE SECURITY SERVICE	889,664	889,664
340	DEFENSE SECURITY SERVICE—CYBER	9,220	9,220
360	DEFENSE TECHNICAL INFORMATION CENTER	3,000	3,000
370	DEFENSE TECHNOLOGY SECURITY ADMINISTRATION	35,626	35,626
380	DEFENSE THREAT REDUCTION AGENCY	568,133	568,133
400	DEFENSE THREAT REDUCTION AGENCY—CYBER	13,339	13,339
410	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	2,932,226	2,982,226
	Program increase—impact aid for children with severe disabilities		[10,000]
	Program increase—impact aid to schools with military dependents		[40,000]
420	MISSILE DEFENSE AGENCY	522,529	522,529
450	OFFICE OF ECONOMIC ADJUSTMENT	59,513	109,913
	Civilian growth		[400]
	Defense Community Infrastructure Program (DCIP)		[50,000]
460	OFFICE OF THE SECRETARY OF DEFENSE	1,604,738	1,582,476
	Basic Needs Allowance for low-income regular members		[15,000]
	Excess growth		[-58,839]
	Increase to OUSD(A&S)—JASONS		[7,000]
	Military aviation safety commission		[3,000]
	Readiness and Environmental Protection Initiative increase		[25,000]
	Reduction to OUSD(R&E)—JASONS		[-7,000]
	Unjustified growth		[-6,423]
470	OFFICE OF THE SECRETARY OF DEFENSE—CYBER	48,783	48,783
480	SPACE DEVELOPMENT AGENCY	44,750	44,750
500	WASHINGTON HEADQUARTERS SERVICES	324,001	296,201
	Insufficient justification		[-27,800]
505	CLASSIFIED PROGRAMS	15,816,598	15,755,461
	Classified adjustment		[-26,000]
	Realignment to DISA for Sharkseer		[-35,137]
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	30,132,549	30,166,387
	TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE	37,479,841	37,417,679
	US COURT OF APPEALS FOR ARMED FORCES, DEF ADMINISTRATION AND ASSOCIATED ACTIVITIES		
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE	14,771	14,771
	SUBTOTAL ADMINISTRATION AND ASSOCIATED ACTIVITIES	14,771	14,771
	TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF	14,771	14,771
	DOD ACQUISITION WORKFORCE DEVELOPMENT FUND		
	ACQUISITION WORKFORCE DEVELOPMENT		
010	ACQ WORKFORCE DEV FD	400,000	375,000
	Program decrease		[-25,000]
	SUBTOTAL ACQUISITION WORKFORCE DEVELOPMENT	400,000	375,000
	TOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND	400,000	375,000
	OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID		

SEC. 4301. OPERATION AND MAINTENANCE <i>(In Thousands of Dollars)</i>			
Line	Item	FY 2020 Request	House Authorized
HUMANITARIAN ASSISTANCE			
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID	108,600	110,800
	Increase for HMA		[2,200]
	SUBTOTAL HUMANITARIAN ASSISTANCE	108,600	110,800
	TOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID	108,600	110,800
COOPERATIVE THREAT REDUCTION ACCOUNT			
COOPERATIVE THREAT REDUCTION			
010	COOPERATIVE THREAT REDUCTION	338,700	338,700
	SUBTOTAL COOPERATIVE THREAT REDUCTION	338,700	338,700
	TOTAL COOPERATIVE THREAT REDUCTION ACCOUNT	338,700	338,700
ENVIRONMENTAL RESTORATION, ARMY DEPARTMENT OF THE ARMY			
050	ENVIRONMENTAL RESTORATION, ARMY	207,518	235,809
	Perfluorinated chemicals		[28,291]
	SUBTOTAL DEPARTMENT OF THE ARMY	207,518	235,809
	TOTAL ENVIRONMENTAL RESTORATION, ARMY	207,518	235,809
DEPARTMENT OF THE NAVY			
060	ENVIRONMENTAL RESTORATION, NAVY	335,932	365,883
	Perfluorinated chemicals		[29,951]
	SUBTOTAL DEPARTMENT OF THE NAVY	335,932	365,883
	TOTAL ENVIRONMENTAL RESTORATION, NAVY	335,932	365,883
DEPARTMENT OF THE AIR FORCE			
070	ENVIRONMENTAL RESTORATION, AIR FORCE	302,744	365,808
	Perfluorinated chemicals		[63,064]
	SUBTOTAL DEPARTMENT OF THE AIR FORCE	302,744	365,808
	TOTAL ENVIRONMENTAL RESTORATION, AIR FORCE	302,744	365,808
ENVIRONMENTAL RESTORATION, DEFENSE-WIDE			
080	ENVIRONMENTAL RESTORATION, DEFENSE-WIDE	9,105	19,002
	Perfluorinated chemicals		[9,897]
	SUBTOTAL DEFENSE-WIDE	9,105	19,002
	TOTAL ENVIRONMENTAL RESTORATION, DEFENSE-WIDE	9,105	19,002
ENVIRONMENTAL RESTORATION FORMERLY USED SITES DEFENSE-WIDE			
090	ENVIRONMENTAL RESTORATION FORMERLY USED SITES ..	216,499	216,499
	SUBTOTAL DEFENSE-WIDE	216,499	216,499
	TOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES	216,499	216,499
	TOTAL OPERATION & MAINTENANCE	207,661,689	204,213,155

1 **SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS**

2 **CONTINGENCY OPERATIONS.**

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS <i>(In Thousands of Dollars)</i>			
Line	Item	FY 2020 Request	House Authorized
OPERATION & MAINTENANCE, ARMY			

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
OPERATING FORCES			
010	MANEUVER UNITS	1,410,874	1,410,874
030	ECHELONS ABOVE BRIGADE	26,502	26,502
040	THEATER LEVEL ASSETS	2,274,490	2,274,490
050	LAND FORCES OPERATIONS SUPPORT	136,288	136,288
060	AVIATION ASSETS	300,240	300,240
070	FORCE READINESS OPERATIONS SUPPORT	3,415,009	4,515,009
	<i>Realignment from base</i>		[1,100,000]
080	LAND FORCES SYSTEMS READINESS	29,985	29,985
090	LAND FORCES DEPOT MAINTENANCE	86,931	86,931
100	BASE OPERATIONS SUPPORT	115,706	115,706
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ...	72,657	72,657
130	ADDITIONAL ACTIVITIES	6,397,586	6,397,586
140	COMMANDER'S EMERGENCY RESPONSE PROGRAM	5,000	0
	<i>Realignment of redress and loss funding</i>		[-5,000]
150	RESET	1,048,896	1,048,896
160	US AFRICA COMMAND	203,174	203,174
170	US EUROPEAN COMMAND	173,676	173,676
200	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	188,529	188,529
210	CYBERSPACE ACTIVITIES—CYBERSECURITY	5,682	5,682
	SUBTOTAL OPERATING FORCES	15,891,225	16,986,225
MOBILIZATION			
230	ARMY PREPOSITIONED STOCKS	131,954	131,954
	SUBTOTAL MOBILIZATION	131,954	131,954
ADMIN & SRVWIDE ACTIVITIES			
390	SERVICEWIDE TRANSPORTATION	721,014	721,014
400	CENTRAL SUPPLY ACTIVITIES	66,845	66,845
410	LOGISTIC SUPPORT ACTIVITIES	9,309	9,309
420	AMMUNITION MANAGEMENT	23,653	23,653
460	OTHER PERSONNEL SUPPORT	109,019	109,019
490	REAL ESTATE MANAGEMENT	251,355	251,355
563	CLASSIFIED PROGRAMS	1,568,564	1,568,564
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	2,749,759	2,749,759
	TOTAL OPERATION & MAINTENANCE, ARMY	18,772,938	19,867,938
OPERATION & MAINTENANCE, ARMY RES			
OPERATING FORCES			
020	ECHELONS ABOVE BRIGADE	20,440	20,440
060	FORCE READINESS OPERATIONS SUPPORT	689	689
090	BASE OPERATIONS SUPPORT	16,463	16,463
	SUBTOTAL OPERATING FORCES	37,592	37,592
	TOTAL OPERATION & MAINTENANCE, ARMY RES	37,592	37,592
OPERATION & MAINTENANCE, ARNG			
OPERATING FORCES			
010	MANEUVER UNITS	45,896	45,896
020	MODULAR SUPPORT BRIGADES	180	180
030	ECHELONS ABOVE BRIGADE	2,982	2,982
040	THEATER LEVEL ASSETS	548	548
060	AVIATION ASSETS	9,229	9,229
070	FORCE READINESS OPERATIONS SUPPORT	1,584	1,584
100	BASE OPERATIONS SUPPORT	22,063	22,063
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	606	606
	SUBTOTAL OPERATING FORCES	83,088	83,088
ADMIN & SRVWD ACTIVITIES			
170	SERVICEWIDE COMMUNICATIONS	203	203
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	203	203
	TOTAL OPERATION & MAINTENANCE, ARNG	83,291	83,291
AFGHAN NATIONAL ARMY			
090	SUSTAINMENT	1,313,047	1,313,047
100	INFRASTRUCTURE	37,152	37,152
110	EQUIPMENT AND TRANSPORTATION	120,868	120,868
120	TRAINING AND OPERATIONS	118,591	118,591

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
	SUBTOTAL AFGHAN NATIONAL ARMY	1,589,658	1,589,658
	AFGHAN NATIONAL POLICE		
130	SUSTAINMENT	422,806	422,806
140	INFRASTRUCTURE	2,358	2,358
150	EQUIPMENT AND TRANSPORTATION	127,081	127,081
160	TRAINING AND OPERATIONS	108,112	108,112
	SUBTOTAL AFGHAN NATIONAL POLICE	660,357	660,357
	AFGHAN AIR FORCE		
170	SUSTAINMENT	893,829	893,829
180	INFRASTRUCTURE	8,611	8,611
190	EQUIPMENT AND TRANSPORTATION	566,967	566,967
200	TRAINING AND OPERATIONS	356,108	356,108
	SUBTOTAL AFGHAN AIR FORCE	1,825,515	1,825,515
	AFGHAN SPECIAL SECURITY FORCES		
210	SUSTAINMENT	437,909	437,909
220	INFRASTRUCTURE	21,131	21,131
230	EQUIPMENT AND TRANSPORTATION	153,806	153,806
240	TRAINING AND OPERATIONS	115,602	115,602
	SUBTOTAL AFGHAN SPECIAL SECURITY FORCES	728,448	728,448
	UNDISTRIBUTED		
245	UNDISTRIBUTED		-300,000
	Unjustified request		[-300,000]
	SUBTOTAL UNDISTRIBUTED		-300,000
	TOTAL AFGHANISTAN SECURITY FORCES FUND	4,803,978	4,503,978
	COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)		
010	IRAQ	745,000	663,000
	Unjustified request		[-82,000]
020	SYRIA	300,000	300,000
030	BORDER SECURITY		250,000
	Realignment of CTEF border security funding		[250,000]
	SUBTOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)	1,045,000	1,213,000
	TOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF) ..	1,045,000	1,213,000
	OPERATION & MAINTENANCE, NAVY OPERATING FORCES		
010	MISSION AND OTHER FLIGHT OPERATIONS	373,047	587,422
	Realignment from base		[214,375]
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES	816	816
040	AIR OPERATIONS AND SAFETY SUPPORT	9,582	9,582
050	AIR SYSTEMS SUPPORT	197,262	197,262
060	AIRCRAFT DEPOT MAINTENANCE	168,246	168,246
070	AIRCRAFT DEPOT OPERATIONS SUPPORT	3,594	3,594
080	AVIATION LOGISTICS	10,618	10,618
090	MISSION AND OTHER SHIP OPERATIONS	1,485,108	1,935,108
	Realignment from base		[450,000]
100	SHIP OPERATIONS SUPPORT & TRAINING	20,334	20,334
110	SHIP DEPOT MAINTENANCE	2,365,615	2,365,615
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE	58,092	58,092
140	SPACE SYSTEMS AND SURVEILLANCE	18,000	18,000
150	WARFARE TACTICS	16,984	16,984
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	29,382	29,382
170	COMBAT SUPPORT FORCES	608,870	608,870
180	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	7,799	7,799
200	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	24,800	24,800
220	CYBERSPACE ACTIVITIES	363	363
240	WEAPONS MAINTENANCE	486,188	486,188
250	OTHER WEAPON SYSTEMS SUPPORT	12,189	12,189
270	SUSTAINMENT, RESTORATION AND MODERNIZATION	68,667	68,667
280	BASE OPERATING SUPPORT	219,099	219,099
	SUBTOTAL OPERATING FORCES	6,184,655	6,849,030

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

<i>Line</i>	<i>Item</i>	<i>FY 2020 Request</i>	<i>House Authorized</i>
MOBILIZATION			
320	EXPEDITIONARY HEALTH SERVICES SYSTEMS	17,580	17,580
330	COAST GUARD SUPPORT	190,000	190,000
	SUBTOTAL MOBILIZATION	207,580	207,580
TRAINING AND RECRUITING			
370	SPECIALIZED SKILL TRAINING	52,161	52,161
	SUBTOTAL TRAINING AND RECRUITING	52,161	52,161
ADMIN & SRVWD ACTIVITIES			
440	ADMINISTRATION	8,475	8,475
460	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	7,653	7,653
490	SERVICEWIDE TRANSPORTATION	70,683	70,683
520	ACQUISITION, LOGISTICS, AND OVERSIGHT	11,130	11,130
530	INVESTIGATIVE AND SECURITY SERVICES	1,559	1,559
645	CLASSIFIED PROGRAMS	17,754	17,754
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	117,254	117,254
	TOTAL OPERATION & MAINTENANCE, NAVY	6,561,650	7,226,025
OPERATION & MAINTENANCE, MARINE CORPS			
OPERATING FORCES			
010	OPERATIONAL FORCES	714,653	714,653
020	FIELD LOGISTICS	232,508	232,508
030	DEPOT MAINTENANCE	54,101	54,101
050	CYBERSPACE ACTIVITIES	2,000	2,000
070	BASE OPERATING SUPPORT	24,570	24,570
	SUBTOTAL OPERATING FORCES	1,027,832	1,027,832
TRAINING AND RECRUITING			
120	TRAINING SUPPORT	30,459	30,459
	SUBTOTAL TRAINING AND RECRUITING	30,459	30,459
ADMIN & SRVWD ACTIVITIES			
160	SERVICEWIDE TRANSPORTATION	61,400	61,400
225	CLASSIFIED PROGRAMS	5,100	5,100
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	66,500	66,500
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS ...	1,124,791	1,124,791
OPERATION & MAINTENANCE, NAVY RES			
OPERATING FORCES			
020	INTERMEDIATE MAINTENANCE	510	510
030	AIRCRAFT DEPOT MAINTENANCE	11,628	11,628
080	COMBAT SUPPORT FORCES	10,898	10,898
	SUBTOTAL OPERATING FORCES	23,036	23,036
	TOTAL OPERATION & MAINTENANCE, NAVY RES	23,036	23,036
OPERATION & MAINTENANCE, MC RESERVE			
OPERATING FORCES			
010	OPERATING FORCES	7,627	7,627
040	BASE OPERATING SUPPORT	1,080	1,080
	SUBTOTAL OPERATING FORCES	8,707	8,707
	TOTAL OPERATION & MAINTENANCE, MC RESERVE	8,707	8,707
OPERATION & MAINTENANCE, AIR FORCE			
OPERATING FORCES			
010	PRIMARY COMBAT FORCES	163,632	163,632
020	COMBAT ENHANCEMENT FORCES	1,049,170	1,049,170
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	111,808	111,808
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	408,699	408,699
050	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ...	147,264	147,264
060	CYBERSPACE SUSTAINMENT	10,061	10,061
070	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	953,594	953,594
080	FLYING HOUR PROGRAM	2,495,266	3,045,266
	Realignment from base		[550,000]
090	BASE SUPPORT	1,538,120	1,538,120
100	GLOBAL C3I AND EARLY WARNING	13,863	13,863

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

<i>Line</i>	<i>Item</i>	<i>FY 2020 Request</i>	<i>House Authorized</i>
110	OTHER COMBAT OPS SPT PROGRAMS	272,020	272,020
120	CYBERSPACE ACTIVITIES	17,657	17,657
130	TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES	36,098	36,098
140	LAUNCH FACILITIES	391	391
150	SPACE CONTROL SYSTEMS	39,990	39,990
160	US NORTHCOM/NORAD	725	725
170	US STRATCOM	926	926
180	US CYBERCOM	35,189	35,189
190	US CENTCOM	163,015	163,015
200	US SOCOM	19,000	19,000
	SUBTOTAL OPERATING FORCES	7,476,488	8,026,488
	MOBILIZATION		
240	AIRLIFT OPERATIONS	1,271,439	1,271,439
250	MOBILIZATION PREPAREDNESS	109,682	109,682
	SUBTOTAL MOBILIZATION	1,381,121	1,381,121
	TRAINING AND RECRUITING		
260	OFFICER ACQUISITION	200	200
270	RECRUIT TRAINING	352	352
290	SPECIALIZED SKILL TRAINING	26,802	26,802
300	FLIGHT TRAINING	844	844
310	PROFESSIONAL DEVELOPMENT EDUCATION	1,199	1,199
320	TRAINING SUPPORT	1,320	1,320
	SUBTOTAL TRAINING AND RECRUITING	30,717	30,717
	ADMIN & SRVWD ACTIVITIES		
380	LOGISTICS OPERATIONS	164,701	164,701
390	TECHNICAL SUPPORT ACTIVITIES	11,608	11,608
400	ADMINISTRATION	4,814	4,814
410	SERVICEWIDE COMMUNICATIONS	145,204	145,204
420	OTHER SERVICEWIDE ACTIVITIES	98,841	98,841
460	INTERNATIONAL SUPPORT	29,890	29,890
463	CLASSIFIED PROGRAMS	52,995	52,995
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	508,053	508,053
	TOTAL OPERATION & MAINTENANCE, AIR FORCE	9,396,379	9,946,379
	OPERATION & MAINTENANCE, AF RESERVE OPERATING FORCES		
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	24,188	24,188
060	BASE SUPPORT	5,570	5,570
	SUBTOTAL OPERATING FORCES	29,758	29,758
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	29,758	29,758
	OPERATION & MAINTENANCE, ANG OPERATING FORCES		
020	MISSION SUPPORT OPERATIONS	3,666	3,666
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	66,944	66,944
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	93,620	93,620
060	BASE SUPPORT	12,679	12,679
	SUBTOTAL OPERATING FORCES	176,909	176,909
	TOTAL OPERATION & MAINTENANCE, ANG	176,909	176,909
	OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES		
010	JOINT CHIEFS OF STAFF	21,866	21,866
020	JOINT CHIEFS OF STAFF—CE2T2	6,634	6,634
040	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT AC- TIVITIES	1,121,580	1,121,580
060	SPECIAL OPERATIONS COMMAND INTELLIGENCE	1,328,201	1,328,201
070	SPECIAL OPERATIONS COMMAND MAINTENANCE	399,845	399,845
090	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT	138,458	102,958
	<i>Project underexecution—communications</i>		<i>[-35,500]</i>
100	SPECIAL OPERATIONS COMMAND THEATER FORCES	808,729	808,729
	SUBTOTAL OPERATING FORCES	3,825,313	3,789,813
	ADMIN & SRVWD ACTIVITIES		

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

<i>Line</i>	<i>Item</i>	<i>FY 2020 Request</i>	<i>House Authorized</i>
180	DEFENSE CONTRACT AUDIT AGENCY	1,810	1,810
200	DEFENSE CONTRACT MANAGEMENT AGENCY	21,723	21,723
230	DEFENSE INFORMATION SYSTEMS AGENCY	81,133	81,133
240	DEFENSE INFORMATION SYSTEMS AGENCY—CYBER	3,455	3,455
270	DEFENSE LEGAL SERVICES AGENCY	196,124	196,124
290	DEFENSE MEDIA ACTIVITY	14,377	14,377
310	DEFENSE SECURITY COOPERATION AGENCY	1,927,217	1,364,427
	Realignment of CTEF border security funding		[-250,000]
	Transfer of funds to Ukraine Security Assistance		[-250,000]
	Unjustified growth		[-62,790]
380	DEFENSE THREAT REDUCTION AGENCY	317,558	307,558
	Program decrease		[-10,000]
410	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	31,620	31,620
460	OFFICE OF THE SECRETARY OF DEFENSE	16,666	21,666
	Realignment of redress and loss funding		[5,000]
500	WASHINGTON HEADQUARTERS SERVICES	6,331	6,331
505	CLASSIFIED PROGRAMS	1,924,785	1,924,785
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	4,542,799	3,975,009
	TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE	8,368,112	7,764,822
	UKRAINE SECURITY ASSISTANCE		
	UKRAINE SECURITY ASSISTANCE		
010	UKRAINE SECURITY ASSISTANCE		250,000
	Transfer of funds from Defense Security Cooperation Agency		[250,000]
	SUBTOTAL UKRAINE SECURITY ASSISTANCE		250,000
	TOTAL UKRAINE SECURITY ASSISTANCE		250,000
	TOTAL OPERATION & MAINTENANCE	50,432,141	52,256,226

1 **TITLE XLIV—MILITARY**
2 **PERSONNEL**
3 **SEC. 4401. MILITARY PERSONNEL.**

SEC. 4401. MILITARY PERSONNEL
(In Thousands of Dollars)

<i>Item</i>	<i>FY 2020 Request</i>	<i>House Authorized</i>
Military Personnel Appropriations	143,476,503	142,248,503
Historical unobligated balances		[-1,228,000]
Medicare-Eligible Retiree Health Fund Contributions	7,816,815	7,816,815

4 **SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTIN-**
5 **GENCY OPERATIONS.**

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

<i>Item</i>	<i>FY 2020 Request</i>	<i>House Authorized</i>
Military Personnel Appropriations	4,485,808	4,485,808

1 **TITLE XLV—OTHER**
 2 **AUTHORIZATIONS**

3 **SEC. 4501. OTHER AUTHORIZATIONS.**

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)		
Item	FY 2020 Request	House Authorized
WORKING CAPITAL FUND, ARMY		
INDUSTRIAL OPERATIONS	57,467	57,467
SUPPLY MANAGEMENT—ARMY	32,130	32,130
TOTAL WORKING CAPITAL FUND, ARMY	89,597	89,597
WORKING CAPITAL FUND, AIR FORCE TRANSPORTATION		
SUPPLIES AND MATERIALS	92,499	92,499
TOTAL WORKING CAPITAL FUND, AIR FORCE ...	92,499	92,499
WORKING CAPITAL FUND, DEFENSE-WIDE		
SUPPLY CHAIN MANAGEMENT—DEF	49,085	49,085
TOTAL WORKING CAPITAL FUND, DEFENSE- WIDE	49,085	49,085
WORKING CAPITAL FUND, DECA		
WORKING CAPITAL FUND, DECA	995,030	995,030
TOTAL WORKING CAPITAL FUND, DECA	995,030	995,030
NATIONAL DEFENSE SEALIFT FUND		
LG MED SPD RO/RO MAINTENANCE		264,751
<i>Realignment from Operations and Maintenance, Navy</i>		[264,751]
DOD MOBILIZATION ALTERATIONS		9,590
<i>Realignment from Operations and Maintenance, Navy</i>		[9,590]
TAH MAINTENANCE		96,867
<i>Realignment from Operations and Maintenance, Navy</i>		[96,867]
READY RESERVE FORCE		723,252
<i>Realignment from Operations and Maintenance, Navy</i>		[723,252]
TOTAL NATIONAL DEFENSE SEALIFT FUND		723,252
WCF, DEF COUNTERINTELLIGENCE & SECURITY AGENCY		
DEFENSE COUNTERINTELLIGENCE AND SECURITY AGEN- CY	200,000	200,000
TOTAL WCF, DEF COUNTERINTELLIGENCE & SECURITY AGENCY	200,000	200,000
CHEM AGENTS & MUNITIONS DESTRUCTION		
OPERATION & MAINTENANCE	107,351	107,351
RDT&E	875,930	865,930
<i>Unjustified growth</i>		[-10,000]
PROCUREMENT	2,218	2,218
TOTAL CHEM AGENTS & MUNITIONS DE- STRUCTION	985,499	975,499
DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF		
COUNTER-NARCOTICS SUPPORT	581,739	517,171
<i>Realignment of National Guard Bureau funding</i>		[-30,921]
<i>Unjustified growth</i>		[-33,647]
DRUG DEMAND REDUCTION PROGRAM	120,922	120,922
NATIONAL GUARD COUNTER-DRUG PROGRAM	91,370	122,291
<i>Realignment of National Guard Bureau funding</i>		[30,921]

SEC. 4501. OTHER AUTHORIZATIONS
(In Thousands of Dollars)

<i>Item</i>	FY 2020 Request	House Authorized
NATIONAL GUARD COUNTER-DRUG SCHOOLS	5,371	5,371
TOTAL DRUG INTERDICTION & CTR-DRUG AC- TIVITIES, DEF	799,402	765,755
OFFICE OF THE INSPECTOR GENERAL		
OFFICE OF THE INSPECTOR GENERAL	359,022	359,022
OFFICE OF THE INSPECTOR GENERAL—CYBER	1,179	1,179
OFFICE OF THE INSPECTOR GENERAL	2,965	2,965
OFFICE OF THE INSPECTOR GENERAL	333	333
TOTAL OFFICE OF THE INSPECTOR GENERAL ..	363,499	363,499
DEFENSE HEALTH PROGRAM		
IN-HOUSE CARE	9,570,615	9,470,615
<i>Unjustified growth</i>		[-100,000]
PRIVATE SECTOR CARE	15,041,006	15,041,006
CONSOLIDATED HEALTH SUPPORT	1,975,536	1,975,536
INFORMATION MANAGEMENT	2,004,588	2,004,588
MANAGEMENT ACTIVITIES	333,246	333,246
EDUCATION AND TRAINING	793,810	793,810
BASE OPERATIONS/COMMUNICATIONS	2,093,289	2,093,289
UNDISTRIBUTED		7,000
PFAS exposure blood testing for DoD firefighters		[2,000]
TRICARE lead level screening and testing for children		[5,000]
R&D RESEARCH	12,621	22,621
CDC ASTDR PFOS/PFOA health study increment		[10,000]
R&D EXPLORATORY DEVELOPMENT	84,266	84,266
R&D ADVANCED DEVELOPMENT	279,766	279,766
R&D DEMONSTRATION/VALIDATION	128,055	128,055
R&D ENGINEERING DEVELOPMENT	143,527	158,527
Deployment of mTBI/concussion multi-modal devices		[10,000]
Program increase—freeze dried platelets		[5,000]
R&D MANAGEMENT AND SUPPORT	67,219	67,219
R&D CAPABILITIES ENHANCEMENT	16,819	16,819
PROC INITIAL OUTFITTING	26,135	26,135
PROC REPLACEMENT & MODERNIZATION	225,774	225,774
PROC JOINT OPERATIONAL MEDICINE INFORMATION SYS- TEM	314	314
PROC MILITARY HEALTH SYSTEM—DESKTOP TO DATACENTER	73,010	73,010
PROC DOD HEALTHCARE MANAGEMENT SYSTEM MOD- ERNIZATION	129,091	129,091
TOTAL DEFENSE HEALTH PROGRAM	32,998,687	32,930,687
TOTAL OTHER AUTHORIZATIONS	36,573,298	37,184,903

1 **SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CON-**
2 **TINGENCY OPERATIONS.**

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

<i>Item</i>	FY 2020 Request	House Authorized
WORKING CAPITAL FUND, ARMY		
INDUSTRIAL OPERATIONS		
SUPPLY MANAGEMENT—ARMY	20,100	20,100
TOTAL WORKING CAPITAL FUND, ARMY	20,100	20,100
DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF		
COUNTER-NARCOTICS SUPPORT	163,596	153,100

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

<i>Item</i>	FY 2020 Request	House Authorized
<i>Unjustified growth</i>		[-10,496]
TOTAL DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF	163,596	153,100
OFFICE OF THE INSPECTOR GENERAL		
OFFICE OF THE INSPECTOR GENERAL	24,254	24,254
TOTAL OFFICE OF THE INSPECTOR GENERAL	24,254	24,254
DEFENSE HEALTH PROGRAM		
IN-HOUSE CARE	57,459	57,459
PRIVATE SECTOR CARE	287,487	287,487
CONSOLIDATED HEALTH SUPPORT	2,800	2,800
TOTAL DEFENSE HEALTH PROGRAM	347,746	347,746
TOTAL OTHER AUTHORIZATIONS	555,696	545,200

1 **TITLE XLVI—MILITARY**
2 **CONSTRUCTION**

3 **SEC. 4601. MILITARY CONSTRUCTION.**

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
	<i>Alabama</i>			
Army	Redstone Arsenal	Aircraft and Flight Equipment Building	38,000	38,000
	<i>Colorado</i>			
Army	Fort Carson	Company Operations Facility	71,000	71,000
	<i>Georgia</i>			
Army	Fort Gordon	Cyber Instructional Fac (Admin/Command)	107,000	70,000
Army	Hunter Army Airfield	Aircraft Maintenance Hangar	62,000	62,000
	<i>Hawaii</i>			
Army	Fort Shafter	Command and Control Facility, Incr 5	60,000	60,000
	<i>Honduras</i>			
Army	Soto Cano Air Base	Aircraft Maintenance Hangar	34,000	34,000
	<i>Kentucky</i>			
Army	Fort Campbell	Automated Infantry Platoon Battle Course	7,100	7,100
Army	Fort Campbell	Easements	3,200	3,200
Army	Fort Campbell	General Purpose Maintenance Shop	51,000	51,000
	<i>Kwajalein</i>			
Army	Kwajalein Atoll	Air Traffic Control Tower and Terminal	0	40,000
	<i>Massachusetts</i>			
Army	U.S. Army Natick Soldier Systems Center	Human Engineering Lab	50,000	50,000
	<i>Michigan</i>			
Army	Detroit Arsenal	Substation	24,000	24,000
	<i>New York</i>			
Army	Fort Drum	Railhead	0	21,000
Army	Fort Drum	Unmanned Aerial Vehicle Hangar	23,000	23,000
	<i>North Carolina</i>			
Army	Fort Bragg	Dining Facility	12,500	12,500
	<i>Oklahoma</i>			
Army	Fort Sill	Adv Individual Training Barracks Cplc, Ph2	73,000	73,000
	<i>Pennsylvania</i>			
Army	Carlisle Barracks	General Instruction Building	98,000	60,000
	<i>South Carolina</i>			
Army	Fort Jackson	Reception Complex, Ph2	54,000	54,000
	<i>Texas</i>			
Army	Corpus Christi Army Depot	Powertrain Facility (Machine Shop)	86,000	40,000
Army	Fort Hood	Barracks	32,000	32,000
Army	Fort Hood	Vehicle Bridge	0	18,500
	<i>Virginia</i>			
Army	Fort Belvoir	Secure Operations and Admin Facility	60,000	60,000
Army	Joint Base Langley-Eustis	Adv Individual Training Barracks Cplc, Ph4	55,000	55,000

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
	Washington			
Army	Joint Base Lewis-McChord	Information Systems Facility	46,000	46,000
	Worldwide Unspecified			
Army	Unspecified Worldwide Locations	Host Nation Support	31,000	31,000
Army	Unspecified Worldwide Locations	Planning and Design	94,099	105,099
Army	Unspecified Worldwide Locations	Unspecified Minor Construction	70,600	70,600
Army	Unspecified Worldwide Locations	Unspecified Worldwide Construction	211,000	0
	Arizona			
Navy	Marine Corps Air Station Yuma	Bachelor Enlisted Quarters	0	99,600
Navy	Marine Corps Air Station Yuma	Hangar 95 Renovation & Addition	90,160	90,160
	Bahrain Island			
Navy	SW Asia	Electrical System Upgrade	53,360	0
	California			
Navy	Camp Pendleton	62 Area Mess Hall and Consolidated Warehouse	71,700	71,700
Navy	Camp Pendleton	I MEF Consolidated Information Center	113,869	63,869
Navy	Marine Corps Air Station Miramar	Child Development Center	0	37,400
Navy	Naval Air Weapons Station China Lake	Runway & Taxiway Extension	64,500	64,500
Navy	Naval Base Coronado	Aircraft Paint Complex	0	79,000
Navy	Naval Base Coronado	Navy V-22 Hangar	86,830	86,830
Navy	Naval Base San Diego	Pier 8 Replacement (Inc)	59,353	59,353
Navy	Naval Base San Diego	PMO Facility Repair	0	9,900
Navy	Naval Weapons Station Seal Beach	Ammunition Pier	95,310	60,310
Navy	Naval Weapons Station Seal Beach	Missile Magazine	0	28,000
Navy	Travis Air Force Base	Alert Force Complex	64,000	64,000
	Connecticut			
Navy	Naval Submarine Base New London	SSN Berthing Pier 32	72,260	72,260
	District of Columbia			
Navy	Naval Observatory	Master Time Clocks & Operations Fac (Inc)	75,600	0
	Florida			
Navy	Blount Island	Police Station and EOC Facility	0	18,700
Navy	Naval Air Station Jacksonville	Targeting & Surveillance Syst Prod Supp Fac	32,420	32,420
	Guam			
Navy	Joint Region Marianas	Bachelor Enlisted Quarters H	164,100	64,100
Navy	Joint Region Marianas	EOD Compound Facilities	61,900	61,900
Navy	Joint Region Marianas	Machine Gun Range (Inc)	91,287	91,287
	Hawaii			
Navy	Marine Corps Air Station Kaneohe Bay	Bachelor Enlisted Quarters	134,050	134,050
Navy	Naval Ammunition Depot West Loch	Magazine Consolidation, Phase 1	53,790	53,790
	Italy			
Navy	Naval Air Station Sigonella	Communications Station	77,400	0
	Japan			
Navy	Fleet Activities Yokosuka	Pier 5 (Berths 2 and 3)	174,692	100,000
Navy	Marine Corps Air Station Iwakuni	VTOL Pad—South	15,870	15,870
	Maryland			
Navy	Saint Inigoes	Air Traffic Control Tower	0	15,000
	North Carolina			
Navy	Camp Lejeune	10th Marines Himars Complex	35,110	35,110
Navy	Camp Lejeune	2nd MARDIV/2nd MLG Ops Center Replacement	60,130	60,130
Navy	Camp Lejeune	2nd Radio BN Complex, Phase 2 (Inc)	25,650	25,650
Navy	Camp Lejeune	ACV-AAV Maintenance Facility Upgrades	11,570	0
Navy	Camp Lejeune	II MEF Operations Center Replacement	122,200	62,200
Navy	Marine Corps Air Station Cherry Point	Aircraft Maintenance Hangar (Inc)	73,970	73,970
Navy	Marine Corps Air Station Cherry Point	ATC Tower & Airfield Operations	61,340	61,340
Navy	Marine Corps Air Station Cherry Point	F-35 Training and Simulator Facility	53,230	53,230
Navy	Marine Corps Air Station Cherry Point	Flightline Utility Modernization (Inc)	51,860	51,860
Navy	Marine Corps Air Station New River	CH-53K Cargo Loading Trainer	11,320	11,320

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
Navy	Pennsylvania Philadelphia	Machinery Control Development Center	0	66,000
Navy	South Carolina Parris Island	Range Improvements & Modernization Phase 3	0	37,200
Navy	Utah Hill Air Force Base	D5 Missile Motor Receipt/Storage Fac (Inc)	50,520	50,520
Navy	Virginia Marine Corps Base Quantico	Wargaming Center	143,350	70,000
Navy	Naval Station Norfolk	Mariner Skills Training Center	79,100	79,100
Navy	Naval Station Norfolk	MH-60 & CMV-22B Corrison Control and Paint Facility.	0	49,000
Navy	Portsmouth Naval Shipyard	Dry Dock Flood Protection Improvements	48,930	48,930
Navy	Yorktown Naval Weapons Station	NMC Ordnance Facilities Recapitalization Phase 1 ...	0	59,000
Navy	Washington Bremerton	Dry Dock 4 & Pier 3 Modernization	51,010	51,010
Navy	Keyport	Undersea Vehicle Maintenance Facility	25,050	25,050
Navy	Naval Base Kitsap	Seawolf Service Pier Cost-to-Complete	0	48,000
Navy	Worldwide Unspecified Unspecified Worldwide Locations	Planning and Design	167,715	178,715
Navy	Unspecified Worldwide Locations	Unspecified Minor Construction	81,237	81,237
AF	Alaska Eielson Air Force Base	F-35 AME Storage Facility	8,600	8,600
AF	Arkansas Little Rock Air Force Base	C-130H/J Fuselage Trainer Facility	47,000	47,000
AF	Little Rock Air Force Base	Dormitory Cost-to-Complete	0	7,000
AF	Australia Tindal	APR-RAAF Tindal/Earth Covered Magazine	11,600	11,600
AF	Tindal	APR-RAAF Tindal/Bulk Storage Tanks	59,000	59,000
AF	California Travis Air Force Base	KC-46A Alter B181/B185/B187 Squad Ops/AMU	6,600	6,600
AF	Travis Air Force Base	KC-46A Regional Maintenance Training Facility	19,500	19,500
AF	Travis Air Force Base	MMHAS Aiiied Support	0	17,000
AF	Colorado Peterson Air Force Base	Sconorth Theater Operational Support Facility	0	54,000
AF	Schriever Air Force Base	Consolidated Space Operations Facility	148,000	74,000
AF	United States Air Force Academy	Consolidate Cadet Prep School Dormitory	0	49,000
AF	Cyprus Royal Air Force Akrotiri	New Dormitory for 1 ERS	27,000	27,000
AF	Georgia Moody Air Force Base	41 RQS HH-60W Apron	0	12,500
AF	Guam Joint Region Marianas	Munitions Storage Igloos III	65,000	65,000
AF	Illinois Scott Air Force Base	Joint Operations & Mission Planning Center	100,000	100,000
AF	Japan Yokota Air Base	Fuel Receipt & Distribution Upgrade	12,400	12,400
AF	Jordan Azraq	Air Traffic Control Tower	24,000	0
AF	Azraq	Munitions Storage Area	42,000	0
AF	Mariana Islands Tinian	Airfield Development Phase 1	109,000	25,000
AF	Tinian	Fuel Tanks W/ Pipeline/Hydrant System	109,000	25,000
AF	Tinian	Parking Apron	98,000	25,000
AF	Maryland Joint Base Andrews	Presidential Aircraft Recap Complex Inc 3	86,000	86,000
AF	Massachusetts Hanscom Air Force Base	MIT-Lincoln Lab (West Lab CSL/MIF) Inc 2	135,000	100,000
AF	Missouri Whiteman Air Force Base	Consolidated Vehicle Ops and MX Facility	0	27,000
AF	Montana Malmstrom Air Force Base	Weapons Storage and Maintenance Facility	235,000	117,500
AF	Nevada Nellis Air Force Base	365th ISR Group Facility	57,000	57,000
AF	Nellis Air Force Base	F-35 Munitions Maintenance Facilities Cost-to-Complete.	0	3,100

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
AF	Nellis Air Force Base New Mexico	F-35A Munitions Assembly Conveyor Facility	8,200	8,200
AF	Holloman Air Force Base	NC3 Support Wrm Storage/Shipping Facility	0	20,000
AF	Kirtland Air Force Base	Combat Rescue Helicopter Simulator (CRH) ADAL ..	15,500	15,500
AF	Kirtland Air Force Base	UH-1 Replacement Facility	22,400	22,400
AF	North Dakota Minot Air Force Base	Helo/TRFOps/AMU Facility	5,500	5,500
AF	Ohio Wright-Patterson Air Force Base	ADAL Intelligence Prod. Complex (NASIC) Inc 2	120,900	120,900
AF	Texas Joint Base San Antonio	Aquatics Tank	69,000	69,000
AF	Joint Base San Antonio	BMT Recruit Dormitory 8	110,000	110,000
AF	Joint Base San Antonio	T-XA DAL Ground Based Trng Sys (GBTS) Sim	9,300	9,300
AF	Joint Base San Antonio	T-XXM Trng Sys Centralized Trng Fac	19,000	19,000
AF	Joint Base San Antonio-Randolph	AFPC B-Wing	0	36,000
AF	United Kingdom Royal Air Force Lakenheath	F-35A PGM Facility	14,300	14,300
AF	Utah Hill Air Force Base	GBSD Mission Integration Facility	108,000	40,000
AF	Hill Air Force Base	Joint Advanced Tactical Missile Storage Fac	6,500	6,500
AF	Washington Fairchild Air Force Base	Consolidated TFI Base Operations	31,000	31,000
AF	Fairchild Air Force Base	SERE Pipeline Dormitory Cost-to-Complete	0	4,800
AF	Worldwide Unspecified Various Worldwide Locations	Planning and Design	142,148	153,148
AF	Various Worldwide Locations	Unspecified Minor Construction	79,682	79,682
AF	Wyoming F. E. Warren Air Force Base	Consolidated Helo/TRF Ops/AMU and Alert Fac	18,100	18,100
Def-Wide	California Beale Air Force Base	Hydrant Fuel System Replacement	33,700	33,700
Def-Wide	Camp Pendleton	Ambul Care Center/Dental Clinic Replacement	17,700	17,700
Def-Wide	Conus Classified Classified Location	Battalion Complex, Ph 3	82,200	82,200
Def-Wide	Florida Eglin Air Force Base	SOF Combined Squadron Ops Facility	16,500	16,500
Def-Wide	Hurlburt Field	SOF AMU & Weapons Hangar	72,923	72,923
Def-Wide	Hurlburt Field	SOF Combined Squadron Operations Facility	16,513	16,513
Def-Wide	Hurlburt Field	SOF Maintenance Training Facility	18,950	18,950
Def-Wide	Naval Air Station Key West	SOF Watercraft Maintenance Facility	16,000	16,000
Def-Wide	Germany Geilenkirchen Air Base	Ambulatory Care Center/Dental Clinic	30,479	30,479
Def-Wide	Guam Joint Region Marianas	Xray Wharf Refueling Facility	19,200	19,200
Def-Wide	Hawaii Joint Base Pearl Harbor-Hickam	SOF Undersea Operational Training Facility	67,700	67,700
Def-Wide	Japan Yokosuka	Kinnick High School Inc 2	130,386	0
Def-Wide	Yokota Air Base	Bulk Storage Tanks PH1	116,305	20,000
Def-Wide	Yokota Air Base	Pacific East District Superintendent's Office	20,106	20,106
Def-Wide	Maryland Bethesda Naval Hospital	MEDCEN Addition/Alteration Incr 3	96,900	33,000
Def-Wide	Fort Detrick	Medical Research Acquisition Building	27,846	27,846
Def-Wide	Fort Meade	NSAW Recapitalize Building #3 Inc 2	426,000	426,000
Def-Wide	Mississippi Columbus Air Force Base	Fuel Facilities Replacement	16,800	16,800
Def-Wide	Missouri Fort Leonard Wood	Hospital Replacement Incr 2	50,000	50,000
Def-Wide	St. Louis	Next NGA West (N2W) Complex Phase 2 Inc. 2	218,800	118,800
Def-Wide	North Carolina Camp Lejeune	SOF Marine Raider Regiment HQ	13,400	13,400
Def-Wide	Fort Bragg	SOF Assessment and Selection Training Complex	12,103	12,103
Def-Wide	Fort Bragg	SOF Human Platform-Force Generation Facility	43,000	43,000
Def-Wide	Fort Bragg	SOF Operations Support Bldg	29,000	29,000
Def-Wide	Oklahoma Tulsa LAP	Fuels Storage Complex	18,900	18,900

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
	<i>Rhode Island</i>			
Def-Wide	Quonset State Airport	Fuels Storage Complex Replacement	11,600	11,600
	<i>South Carolina</i>			
Def-Wide	Joint Base Charleston	Medical Consolidated Storage & Distrib Center	33,300	33,300
	<i>South Dakota</i>			
Def-Wide	Ellsworth Air Force Base	Hydrant Fuel System Replacement	24,800	24,800
	<i>Virginia</i>			
Def-Wide	Defense Distribution Depot Richmond	Operations Center Phase 2	98,800	33,000
Def-Wide	Joint Expeditionary Base Little Creek—Fort Story	SOF NSWG-10 Operations Support Facility	32,600	32,600
Def-Wide	Joint Expeditionary Base Little Creek—Fort Story	SOF NSWG2 JSOTF Ops Training Facility	13,004	13,004
Def-Wide	Pentagon	Backup Generator	8,670	8,670
Def-Wide	Pentagon	Control Tower & Fire Day Station	20,132	20,132
Def-Wide	Training Center Dam Neck	SOF Demolition Training Compound Expansion	12,770	12,770
	<i>Washington</i>			
Def-Wide	Joint Base Lewis-McChord	SOF 22 STS Operations Facility	47,700	47,700
	<i>Wisconsin</i>			
Def-Wide	Gen Mitchell IAP	POL Facilities Replacement	25,900	25,900
	<i>Worldwide Classified</i>			
Def-Wide	Classified Location	Mission Support Compound	52,000	0
	<i>Worldwide Unspecified</i>			
Def-Wide	Unspecified Worldwide Locations	Contingency Construction	10,000	0
Def-Wide	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog.	150,000	190,000
Def-Wide	Unspecified Worldwide Locations	ERCIP Design	10,000	10,000
Def-Wide	Unspecified Worldwide Locations	Exercise Related Minor Construction	11,770	11,770
Def-Wide	Unspecified Worldwide Locations	Planning and Design	99,441	99,441
Def-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction	60,642	60,642
Def-Wide	Various Worldwide Locations	Planning and Design	142,914	142,914
Def-Wide	Various Worldwide Locations	Unspecified Minor Construction	26,736	26,736
NATO	NATO Security Investment Program	NATO Security Investment Program	144,040	172,005
	<i>Alabama</i>			
Army NG	Anniston Army Depot	Enlisted Transient Barracks	0	34,000
Army NG	Foley	National Guard Readiness Center	12,000	12,000
	<i>California</i>			
Army NG	Camp Roberts	Automated Multipurpose Machine Gun Range	12,000	12,000
	<i>Idaho</i>			
Army NG	Orchard Combat Training Center	Railroad Tracks	29,000	29,000
	<i>Maryland</i>			
Army NG	Havre de Grace	Combined Support Maintenance Shop	12,000	12,000
	<i>Massachusetts</i>			
Army NG	Camp Edwards	Automated Multipurpose Machine Gun Range	9,700	9,700
	<i>Minnesota</i>			
Army NG	New Ulm	National Guard Vehicle Maintenance Shop	11,200	11,200
	<i>Mississippi</i>			
Army NG	Camp Shelby	Automated Multipurpose Machine Gun Range	8,100	8,100
	<i>Missouri</i>			
Army NG	Springfield	National Guard Readiness Center	12,000	12,000
	<i>Nebraska</i>			
Army NG	Bellevue	National Guard Readiness Center	29,000	29,000
	<i>New Hampshire</i>			
Army NG	Concord	National Guard Readiness Center	5,950	5,950
	<i>New York</i>			
Army NG	Jamaica Armory	National Guard Readiness Center	0	91,000
	<i>Pennsylvania</i>			
Army NG	Moon Township	Combined Support Maintenance Shop	23,000	23,000
	<i>Vermont</i>			
Army NG	Jericho	General Instruction Building	0	30,000
	<i>Washington</i>			
Army NG	Richland	National Guard Readiness Center	11,400	11,400
	<i>Worldwide Unspecified</i>			
Army NG	Unspecified Worldwide Locations	Planning and Design	20,469	20,469

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
Army NG	Unspecified Worldwide Locations	Unspecified Minor Construction	15,000	15,000
	Delaware			
Army Res	Newark	Army Reserve Center/BMA	21,000	21,000
	Wisconsin			
Army Res	Fort McCoy	Transient Training Barracks	25,000	25,000
	Worldwide Unspecified			
Army Res	Unspecified Worldwide Locations	Planning and Design	6,000	6,000
Army Res	Unspecified Worldwide Locations	Unspecified Minor Construction	8,928	8,928
	Louisiana			
N/MC Res	New Orleans	Entry Control Facility Upgrades	25,260	25,260
	Worldwide Unspecified			
N/MC Res	Unspecified Worldwide Locations	Planning and Design	4,780	4,780
N/MC Res	Unspecified Worldwide Locations	Unspecified Minor Construction	24,915	24,915
	California			
Air NG	Moffett Air National Guard Base	Fuels/Corrosion Control Hanger and Shops	0	57,000
	Georgia			
Air NG	Savannah/Hilton Head IAP	Consolidated Joint Air Dominance Hangar/Shops	24,000	24,000
	Missouri			
Air NG	Rosecrans Memorial Airport	C-130 Flight Simulator Facility	9,500	9,500
	Puerto Rico			
Air NG	Luis Munoz-Marin IAP	Communications Facility	12,500	0
Air NG	Luis Munoz-Marin IAP	Maintenance Hangar	37,500	0
	Wisconsin			
Air NG	Truax Field	F-35 Simulator Facility	14,000	14,000
Air NG	Truax Field	Fighter Alert Shelters	20,000	20,000
	Worldwide Unspecified			
Air NG	Unspecified Worldwide Locations	Unspecified Minor Construction	31,471	31,471
Air NG	Various Worldwide Locations	Planning and Design	17,000	17,000
	Georgia			
AF Res	Robins Air Force Base	Consolidated Mission Complex Phase 3	43,000	43,000
	Maryland			
AF Res	Joint Base Andrews	AES Training Admin Facility	0	15,000
	Minnesota			
AF Res	Minneapolis-St. Paul IAP	Aerial Port Facility	0	9,800
	Worldwide Unspecified			
AF Res	Unspecified Worldwide Locations	Planning and Design	4,604	4,604
AF Res	Unspecified Worldwide Locations	Unspecified Minor Construction	12,146	12,146
	Germany			
FH Con Army	Baumholder	Family Housing Improvements	29,983	29,983
	Korea			
FH Con Army	Camp Humphreys	Family Housing New Construction Incr 4	83,167	83,167
	Pennsylvania			
FH Con Army	Tobyhanna Army Depot	Family Housing Replacement Construction	19,000	19,000
	Worldwide Unspecified			
FH Con Army	Unspecified Worldwide Locations	Family Housing P & D	9,222	9,222
FH Ops Army	Unspecified Worldwide Locations	Furnishings	24,027	24,027
FH Ops Army	Unspecified Worldwide Locations	Housing Privatization Support	18,627	68,627
FH Ops Army	Unspecified Worldwide Locations	Leasing	128,938	128,938
FH Ops Army	Unspecified Worldwide Locations	Maintenance	81,065	81,065
FH Ops Army	Unspecified Worldwide Locations	Management	38,898	38,898
FH Ops Army	Unspecified Worldwide Locations	Miscellaneous	484	484
FH Ops Army	Unspecified Worldwide Locations	Services	10,156	10,156
FH Ops Army	Unspecified Worldwide Locations	Utilities	55,712	55,712
FH Con Navy	Unspecified Worldwide Locations	Construction Improvements	41,798	41,798
FH Con Navy	Unspecified Worldwide Locations	Planning & Design	3,863	3,863

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
<i>FH Con Navy</i>	<i>Unspecified Worldwide Locations</i>	<i>USMC DPRI/Guam Planning and Design</i>	2,000	2,000
<i>FH Ops Navy</i>	<i>Unspecified Worldwide Locations</i>	<i>Furnishings</i>	19,009	19,009
<i>FH Ops Navy</i>	<i>Unspecified Worldwide Locations</i>	<i>Housing Privatization Support</i>	21,975	81,575
<i>FH Ops Navy</i>	<i>Unspecified Worldwide Locations</i>	<i>Leasing</i>	64,126	64,126
<i>FH Ops Navy</i>	<i>Unspecified Worldwide Locations</i>	<i>Maintenance</i>	82,611	82,611
<i>FH Ops Navy</i>	<i>Unspecified Worldwide Locations</i>	<i>Management</i>	50,122	50,122
<i>FH Ops Navy</i>	<i>Unspecified Worldwide Locations</i>	<i>Miscellaneous</i>	151	151
<i>FH Ops Navy</i>	<i>Unspecified Worldwide Locations</i>	<i>Services</i>	16,647	16,647
<i>FH Ops Navy</i>	<i>Unspecified Worldwide Locations</i>	<i>Utilities</i>	63,229	63,229
	<i>Germany</i>			
<i>FH Con AF</i>	<i>Spangdahlem Air Base</i>	<i>Construct Deficit Military Family Housing</i>	53,584	53,584
	<i>Worldwide Unspecified</i>			
<i>FH Con AF</i>	<i>Unspecified Worldwide Locations</i>	<i>Construction Improvements</i>	46,638	46,638
<i>FH Con AF</i>	<i>Unspecified Worldwide Locations</i>	<i>Planning & Design</i>	3,409	3,409
<i>FH Ops AF</i>	<i>Unspecified Worldwide Locations</i>	<i>Furnishings</i>	30,283	30,283
<i>FH Ops AF</i>	<i>Unspecified Worldwide Locations</i>	<i>Housing Privatization</i>	22,593	53,793
<i>FH Ops AF</i>	<i>Unspecified Worldwide Locations</i>	<i>Leasing</i>	15,768	15,768
<i>FH Ops AF</i>	<i>Unspecified Worldwide Locations</i>	<i>Maintenance</i>	117,704	117,704
<i>FH Ops AF</i>	<i>Unspecified Worldwide Locations</i>	<i>Management</i>	56,022	56,022
<i>FH Ops AF</i>	<i>Unspecified Worldwide Locations</i>	<i>Miscellaneous</i>	2,144	2,144
<i>FH Ops AF</i>	<i>Unspecified Worldwide Locations</i>	<i>Services</i>	7,770	7,770
<i>FH Ops AF</i>	<i>Unspecified Worldwide Locations</i>	<i>Utilities</i>	42,732	42,732
<i>FH Ops DW</i>	<i>Unspecified Worldwide Locations</i>	<i>Furnishings</i>	727	727
<i>FH Ops DW</i>	<i>Unspecified Worldwide Locations</i>	<i>Leasing</i>	52,128	52,128
<i>FH Ops DW</i>	<i>Unspecified Worldwide Locations</i>	<i>Maintenance</i>	32	32
<i>FH Ops DW</i>	<i>Unspecified Worldwide Locations</i>	<i>Utilities</i>	4,113	4,113
<i>FHIF</i>	<i>Unspecified Worldwide Locations</i>	<i>Administrative Expenses—FHIF</i>	3,045	3,045
<i>UHIF</i>	<i>Unspecified Worldwide Locations</i>	<i>Administrative Expenses—UHIF</i>	500	500
<i>BRAC</i>	<i>Worldwide Unspecified Locations</i>	<i>Base Realignment and Closure</i>	66,111	96,111
<i>BRAC</i>	<i>Unspecified Worldwide Locations</i>	<i>Base Realignment & Closure</i>	158,349	218,349
<i>BRAC</i>	<i>Unspecified Worldwide Locations</i>	<i>DoD BRAC Activities—Air Force</i>	54,066	84,066
	<i>Prior Year Savings</i>			
<i>PYS</i>	<i>Prior Year Savings</i>	<i>Prior Year Savings</i>	0	-45,055

1 SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CON-
2 TINGENCY OPERATIONS.

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
	<i>Guantanamo Bay, Cuba</i>			
<i>Army</i>	<i>Guantanamo Bay Naval Station</i>	<i>OCO: Communications Facility</i>	22,000	22,000

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
Army	Guantanamo Bay Naval Station	OCO: Detention Legal Office and Comms Ctr	11,800	11,800
Army	Guantanamo Bay Naval Station	OCO: High Value Detention Facility	88,500	0
	Worldwide Unspecified			
Army	Unspecified Worldwide Locations	EDI/OCO Planning and Design	19,498	19,498
Army	Unspecified Worldwide Locations	EDI: Bulk Fuel Storage	36,000	36,000
Army	Unspecified Worldwide Locations	EDI: Information Systems Facility	6,200	6,200
Army	Unspecified Worldwide Locations	EDI: Minor Construction	5,220	5,220
Army	Unspecified Worldwide Locations	Unspecified Worldwide Construction	9,200,000	0
Army	Various Worldwide Locations	EDI: Various Worldwide Locations Europe	0	56,142
	Bahrain			
Navy	SW Asia	Electrical System Upgrade	0	53,360
	Italy			
Navy	Signonella	Communications Station	0	77,400
	Spain			
Navy	Rota	EDI: In-Transit Munitions Facility	9,960	9,960
Navy	Rota	EDI: Joint Mobility Center	46,840	46,840
Navy	Rota	EDI: Small Craft Berthing Facility	12,770	12,770
	Worldwide Unspecified			
Navy	Unspecified Worldwide Locations	Planning and Design	25,000	25,000
Navy	Various Worldwide Locations	EDI: Various Worldwide Locations Europe	0	56,246
	Iceland			
AF	Keflavik	EDI-Airfield Upgrades—Dangerous Cargo Pad	18,000	18,000
AF	Keflavik	EDI-Beddown Site Prep	7,000	7,000
AF	Keflavik	EDI-Expand Parking Apron	32,000	32,000
	Jordan			
AF	Azraq	Air Traffic Control Tower	0	24,000
AF	Azraq	Munitions Storage Area	0	42,000
	Spain			
AF	Morón	EDI-Hot Cargo Pad	8,500	8,500
	Worldwide Unspecified			
AF	Unspecified Worldwide Locations	EDI-ECAOS DABS/FEV EMEDS Storage	107,000	107,000
AF	Unspecified Worldwide Locations	EDI-Hot Cargo Pad	29,000	29,000
AF	Unspecified Worldwide Locations	EDI-Munitions Storage Area	39,000	39,000
AF	Various Worldwide Locations	EDI: Various Worldwide Locations Europe	0	56,246
AF	Various Worldwide Locations	EDI-P&D	61,438	61,438
AF	Various Worldwide Locations	EDI-UMMC	12,800	12,800
	Germany			
Def-Wide	Gemersheim	EDI: Logistics Distribution Center Annex	46,000	46,000

1 **TITLE XLVII—DEPARTMENT OF**
 2 **ENERGY NATIONAL SECURITY**
 3 **PROGRAMS**

4 **SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY**
 5 **PROGRAMS.**

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2020 Request	House Authorized
Discretionary Summary By Appropriation		
Energy And Water Development, And Related Agencies		
Appropriation Summary:		
Energy Programs		
Nuclear Energy	137,808	137,808
Atomic Energy Defense Activities		
National nuclear security administration:		
Weapons activities	12,408,603	11,800,074
Defense nuclear nonproliferation	1,993,302	2,031,587
Naval reactors	1,648,396	1,632,142
Federal salaries and expenses	434,699	410,000
Total, National nuclear security administration	16,485,000	15,873,803
Environmental and other defense activities:		
Defense environmental cleanup	5,506,501	5,584,501
Other defense activities	1,035,339	1,035,339
Defense nuclear waste disposal	26,000	0
Total, Environmental & other defense activities	6,567,840	6,619,840
Total, Atomic Energy Defense Activities	23,052,840	22,493,643
Total, Discretionary Funding	23,190,648	22,631,451
Nuclear Energy		
Idaho site-wide safeguards and security	137,808	137,808
Total, Nuclear Energy	137,808	137,808
Weapons Activities		
Directed stockpile work		
Life extension programs and major alterations		
B61-12 Life extension program	792,611	792,611
W76-2 Modification program	10,000	0
Terminate effort		[-10,000]
W88 Alt 370	304,186	304,186
W80-4 Life extension program	898,551	898,551
W87-1 Modification Program (formerly IW1)	112,011	53,000
Unjustified growth		[-59,011]
Total, Life extension programs and major alterations	2,117,359	2,048,348
Stockpile systems		
B61 Stockpile systems	71,232	71,232
W76 Stockpile systems	89,804	89,804
W78 Stockpile systems	81,299	81,299
W80 Stockpile systems	85,811	80,204
Unjustified study requirement		[-5,607]
B83 Stockpile systems	51,543	22,421
Unjustified growth		[-29,122]
W87 Stockpile systems	98,262	98,262
W88 Stockpile systems	157,815	157,815
Total, Stockpile systems	635,766	601,037
Weapons dismantlement and disposition		
Operations and maintenance	47,500	47,500
Stockpile services		
Production support	543,964	510,000

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2020 Request	House Authorized
Unjustified program growth		[-33,964]
Research and development support	39,339	36,150
Unjustified program growth		[-3,189]
R&D certification and safety	236,235	201,840
Unjustified program growth		[-34,395]
Management, technology, and production	305,000	305,000
Total, Stockpile services	1,124,538	1,052,990
Strategic materials		
Uranium sustainment	94,146	94,146
Plutonium sustainment	712,440	471,309
Pit production beyond 30 pits per year		[-241,131]
Tritium sustainment	269,000	269,000
Lithium sustainment	28,800	28,800
Domestic uranium enrichment	140,000	140,000
Strategic materials sustainment	256,808	256,808
Total, Strategic materials	1,501,194	1,260,063
Total, Directed stockpile work	5,426,357	5,009,938
Research, development, test and evaluation (RDT&E)		
Science		
Advanced certification	57,710	57,710
Primary assessment technologies	95,169	95,169
Dynamic materials properties	133,800	133,800
Advanced radiography	32,544	32,544
Secondary assessment technologies	77,553	77,553
Academic alliances and partnerships	44,625	44,625
Enhanced Capabilities for Subcritical Experiments	145,160	145,160
Total, Science	586,561	586,561
Engineering		
Enhanced surety	46,500	39,717
Unjustified program growth		[-6,783]
Delivery Environments (formerly Weapons Systems Engineering Assessment Technology)	35,945	23,029
Unjustified program growth		[-12,916]
Nuclear survivability	53,932	53,932
Enhanced surveillance	57,747	57,747
Stockpile Responsiveness	39,830	5,000
Unjustified request		[-34,830]
Total, Engineering	233,954	179,425
Inertial confinement fusion ignition and high yield		
Ignition and Other Stockpile Programs	55,649	55,649
Diagnostics, cryogenics and experimental support	66,128	66,128
Pulsed power inertial confinement fusion	8,571	8,571
Joint program in high energy density laboratory plasmas	12,000	12,000
Facility operations and target production	338,247	338,247
Total, Inertial confinement fusion and high yield	480,595	480,595
Advanced simulation and computing		
Advanced simulation and computing	789,849	789,849
Construction:		
18-D-620, Erasmale Computing Facility Modernization Project, LLNL	50,000	50,000
Total, Construction	50,000	50,000
Total, Advanced simulation and computing	839,849	839,849
Advanced manufacturing		
Additive manufacturing	18,500	18,500
Component manufacturing development	48,410	48,410
Process technology development	69,998	30,914
Unjustified program growth		[-39,804]
Total, Advanced manufacturing	136,908	97,824
Total, RDT&E	2,277,867	2,184,254
Infrastructure and operations		
Operations of facilities	905,000	870,000
Unjustified program growth		[-35,000]
Safety and environmental operations	119,000	110,000

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2020 Request	House Authorized
Unjustified program growth		[-9,000]
Maintenance and repair of facilities	456,000	456,000
Recapitalization:		
Infrastructure and safety	447,657	447,657
Capability based investments	135,341	109,057
Unjustified program growth		[-26,284]
Total, Recapitalization	582,998	556,714
Construction:		
19-D-670, 138kV Power Transmission System Replacement, NNSS	6,000	6,000
18-D-690, Lithium Processing Facility, Y-12 (formerly Lithium Production Capability, Y-12)	32,000	32,000
18-D-650, Tritium Finishing Facility, SRS	27,000	27,000
17-D-640, U1a Complex Enhancements Project, NNSS	35,000	35,000
15-D-612, Emergency Operations Center, LLNL	5,000	5,000
15-D-611, Emergency Operations Center, SNL	4,000	4,000
15-D-301, HE Science & Engineering Facility, PX	123,000	123,000
06-D-141 Uranium processing facility Y-12, Oak Ridge, TN	745,000	745,000
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	168,444	168,444
Total, Construction	1,145,444	1,145,444
Total, Infrastructure and operations	3,208,442	3,138,158
Secure transportation asset		
Operations and equipment	209,502	209,502
Program direction	107,660	107,660
Total, Secure transportation asset	317,162	317,162
Defense nuclear security		
Operations and maintenance	778,213	750,000
Excess to need		[-28,213]
Total, Defense nuclear security	778,213	750,000
Information technology and cybersecurity	309,362	309,362
Legacy contractor pensions	91,200	91,200
Total, Weapons Activities	12,408,603	11,800,074
Defense Nuclear Nonproliferation		
Defense Nuclear Nonproliferation Programs		
Global material security		
International nuclear security	48,839	48,839
Domestic radiological security	90,513	90,513
International radiological security	60,827	80,827
Secure additional radiologic materials		[20,000]
Nuclear smuggling detection and deterrence	142,171	142,171
Total, Global material security	342,350	362,350
Material management and minimization		
HEU reactor conversion	114,000	114,000
Nuclear material removal	32,925	32,925
Material disposition	186,608	186,608
Laboratory and partnership support	0	20,000
Low enriched uranium fuels for naval reactors		[20,000]
Total, Material management & minimization	333,533	353,533
Nonproliferation and arms control	137,267	137,267
Defense nuclear nonproliferation R&D	495,357	525,357
Nuclear proliferation detection research		[15,000]
Additional nuclear verification and detection effort		[15,000]
Nonproliferation Construction:		
18-D-150 Surplus Plutonium Disposition Project	79,000	79,000
99-D-143 Mixed Oxide (MOX) Fuel Fabrication Facility, SRS	220,000	220,000
Total, Nonproliferation construction	299,000	299,000
Total, Defense Nuclear Nonproliferation Programs	1,607,507	1,677,507
Legacy contractor pensions	13,700	13,700
Nuclear counterterrorism and incident response program	372,095	340,380
Unjustified cost growth		[-31,715]

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2020 Request	House Authorized
Total, Defense Nuclear Nonproliferation	1,993,302	2,031,587
Naval Reactors		
Naval reactors development	531,205	514,951
Unjustified growth		[-16,254]
Columbia-Class reactor systems development	75,500	75,500
S8G Prototype refueling	155,000	155,000
Naval reactors operations and infrastructure	553,591	553,591
Construction:		
20-D-931, KL Fuel Development Laboratory	23,700	23,700
19-D-930, KS Overhead Piping	20,900	20,900
14-D-901 Spent fuel handling recapitalization project, NRF	238,000	238,000
Total, Construction	282,600	282,600
Program direction	50,500	50,500
Total, Naval Reactors	1,648,396	1,632,142
Federal Salaries And Expenses		
Program direction	434,699	410,000
Unjustified growth		[-24,699]
Total, Office Of The Administrator	434,699	410,000
Defense Environmental Cleanup		
Closure sites:		
Closure sites administration	4,987	4,987
Richland:		
River corridor and other cleanup operations	139,750	139,750
Central plateau remediation	472,949	522,949
Program increase		[50,000]
Richland community and regulatory support	5,121	5,121
Construction:		
18-D-404 WESF Modifications and Capsule Storage	11,000	11,000
Total, Construction	11,000	11,000
Total, Hanford site	628,820	678,820
Office of River Protection:		
Waste Treatment Immobilization Plant Commissioning	15,000	15,000
Rad liquid tank waste stabilization and disposition	677,460	705,460
Program increase		[28,000]
Construction:		
18-D-16 Waste treatment and immobilization plant—LBL/Direct feed LAW	640,000	640,000
01-D-16 D, High-level waste facility	30,000	30,000
01-D-16 E—Pretreatment Facility	20,000	20,000
Total, Construction	690,000	690,000
ORP Low-level waste offsite disposal	10,000	10,000
Total, Office of River protection	1,392,460	1,420,460
Idaho National Laboratory:		
Idaho cleanup and waste disposition	331,354	331,354
Idaho community and regulatory support	3,500	3,500
Total, Idaho National Laboratory	334,854	334,854
NNSA sites and Nevada off-sites		
Lawrence Livermore National Laboratory	1,727	1,727
LLNL Excess facilities R&D	128,000	128,000
Nuclear facility D & D		
Separations Process Research Unit	15,300	15,300
Nevada	60,737	60,737
Sandia National Laboratories	2,652	2,652
Los Alamos National Laboratory	195,462	195,462
Total, NNSA sites and Nevada off-sites	403,878	403,878
Oak Ridge Reservation:		
OR Nuclear facility D & D	93,693	93,693

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2020 Request	House Authorized
Total, OR Nuclear facility D & D	93,693	93,693
U233 Disposition Program	45,000	45,000
OR cleanup and waste disposition		
OR cleanup and disposition	82,000	82,000
Construction:		
17-D-401 On-site waste disposal facility	15,269	15,269
14-D-403 Outfall 200 Mercury Treatment Facility	49,000	49,000
Total, Construction	64,269	64,269
Total, OR cleanup and waste disposition	146,269	146,269
OR community & regulatory support	4,819	4,819
OR technology development and deployment	3,000	3,000
OR Excess facilities D&D	0	0
Total, Oak Ridge Reservation	292,781	292,781
Savannah River Sites:		
Savannah River risk management operations		
Savannah River risk management operations	490,613	490,613
Construction:		
18-D-402, Emergency Operations Center	6,792	6,792
Total, risk management operations	497,405	497,405
SR community and regulatory support	4,749	4,749
Radioactive liquid tank waste stabilization and disposition	797,706	797,706
Construction:		
20-D-402 Advanced Manufacturing Collaborative Facility (AMC)	50,000	50,000
20-D-401 Saltstone Disposal Unit #10, 11, 12	500	500
18-D-402 Saltstone Disposal Unit #8/9	51,750	51,750
17-D-402 Saltstone Disposal Unit #7	40,034	40,034
05-D-405 Salt waste processing facility, Savannah River Site	20,988	20,988
Total, Construction	163,272	163,272
Total, Savannah River site	1,463,132	1,463,132
Waste Isolation Pilot Plant		
Waste Isolation Pilot Plant	299,088	299,088
Construction:		
15-D-411 Safety significant confinement ventilation system, WIPP	58,054	58,054
15-D-412 Exhaust shaft, WIPP	34,500	34,500
Total, Construction	92,554	92,554
Total, Waste Isolation Pilot Plant	391,642	391,642
Program direction	278,908	278,908
Program support	12,979	12,979
Safeguards and Security		
Safeguards and Security	317,622	317,622
Total, Safeguards and Security	317,622	317,622
Use of prior year balances	-15,562	-15,562
Total, Defense Environmental Cleanup	5,506,501	5,584,501
Other Defense Activities		
Environment, health, safety and security		
Environment, health, safety and security	139,628	139,628
Program direction	72,881	72,881
Total, Environment, Health, safety and security	212,509	212,509
Independent enterprise assessments		
Independent enterprise assessments	24,068	24,068
Program direction	57,211	57,211
Total, Independent enterprise assessments	81,279	81,279
Specialized security activities	254,578	254,578
Office of Legacy Management		
Legacy management	283,767	283,767
Program direction	19,262	19,262
Total, Office of Legacy Management	303,029	303,029
Defense related administrative support		

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

<i>Program</i>	<i>FY 2020 Request</i>	<i>House Authorized</i>
<i>Chief financial officer</i>	54,538	54,538
<i>Chief information officer</i>	124,554	124,554
<i>Total, Defense related administrative support</i>	179,092	179,092
<i>Office of hearings and appeals</i>	4,852	4,852
<i>Subtotal, Other defense activities</i>	1,035,339	1,035,339
<i>Total, Other Defense Activities</i>	1,035,339	1,035,339
 <i>Defense Nuclear Waste Disposal</i>		
<i>Yucca mountain and interim storage</i>	26,000	0
<i>Program cut</i>	0	[-26,000]
<i>Total, Defense Nuclear Waste Disposal</i>	26,000	0

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Items of Special Interest

CH-47F Chinook Block II

The budget request contained \$18.2 million in advanced procurement for the CH-47F Block II program. The CH-47F Block II program is designed to upgrade the current CH-47F Block I heavy-lift rotorcraft to improve readiness and commonality, extend the useful life of the Block I version, and restore additional payload capacity for the airframe. The committee understands the budget request fully funds the completion of the engineering and manufacturing development (EMD) phase of the Block II program, and that subject to successful completion of the EMD phase, the Army plans to conduct a Milestone C low-rate production decision beginning in fiscal year 2021. However, the committee notes the current Future Years Defense Program (FYDP) provides no follow-on procurement funding for the CH-47 Block II program. Further, the committee notes that the formal analysis of alternatives for the CH-47 Block II indicated the Army must begin to remanufacture CH-47 Block I rotorcraft between fiscal years 2024 and 2028 and sustain full-rate production of 12 aircraft per year by fiscal year 2030 in order to maintain fleet readiness. Given the lack of programmed funding in the FYDP for CH-47 Block II production, the committee is concerned about potential impacts this could have on the heavy-lift rotorcraft industrial base, as well as the effects this could have on the Army's long-term plans to maintain fleet readiness beyond the FYDP.

Therefore, the committee recommends \$46.2 million, an increase of \$28.0 million, in CH-47 Helicopter advanced procurement for the CH-47F Block II aircraft.

Further, the committee directs the Secretary of the Army to provide a briefing to the House Committee on Armed Services by September 2, 2019, on the potential readiness impacts to the current CH-47F fleet should Block II production be delayed post-FYDP, a cost-benefit analysis comparing CH-47 Block II upgrade program to CH-47F remanufacture efforts, the impacts to current MH-47G aircraft production given the delay of Block II production, analysis used to assess the strategic risk to the industrial base including the supplier base, and the current strategy for modernizing the heavy-lift rotorcraft fleet.

AIRCRAFT PROCUREMENT, NAVY

Items of Special Interest

Recapitalization of Navy Reserve P-3C squadrons

The budget request contained \$1.2 billion for six P-8A Poseidon aircraft. The budget request for fiscal year 2020 did not take into account the increased warfighter requirement of 21 additional P-8A aircraft. This increase is driven by the proliferation of adversarial submarine fleets and their increasingly active operational tempo. The new requirement includes 12 aircraft to recapitalize the two maritime patrol and reconnaissance squadrons assigned to the Navy Reserve. These squadrons currently operate legacy P-3C Orion aircraft and the Chief of Navy Reserve estimates they will decommission by 2023 unless they are outfitted with new aircraft. The committee is encouraged by the Navy's recognition of the Navy Reserve force and the contribution they can provide to the increased requirement for the P-8A. However, the committee was discouraged that the Navy failed to budget for the additional aircraft to meet the warfighting requirement.

Therefore the committee directs the Secretary of the Navy to provide a briefing to the House Committee on Armed Services by March 1, 2020, that outlines a plan to recapitalize the two Navy Reserve squadrons with P-8A aircraft prior to 2023. The briefing should include estimated acquisition costs, acquisition timelines, aircraft fielding schedules, and manpower impacts to the Navy Reserve. The committee also notes that this information should have been briefed at the beginning of the budget cycle.

The committee recommends \$1.75 billion for P-8A procurement, an increase of \$541.2 million, to procure three additional aircraft in fiscal year 2020.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, ARMY

Items of Special Interest

Multi-spectral thermal mitigation technologies

The budget request contained \$118.5 million in PE 63118A for soldier lethality advanced technologies.

The committee is aware that the military services have established baseline standards for flame resistant uniforms that provide near-infrared thermal sensor protection for service members who are deployed in hostile areas. The committee understands that recent technical developments in sensor technologies and sensor mitigation are advancing at a pace well ahead of the current research, development, and procurement efforts. As a result, long-range detection and identification of our service members from hostile near-peer as well non-state actors is an emerging force protection threat. As such, the committee encourages the military services to explore multi-spectral sensor mitigation technologies, and to incorporate them into current and future uniform requirements and testing in use by the armed services.

Therefore, the committee directs the Secretary of the Army, in coordination with the Secretaries of the Navy and the Air Force, to provide a briefing to the House Committee on Armed Services by March 1, 2020, on the infra-red protection of current uniform standards against emerging sensor technologies, including an analysis of the feasibility, availability, and cost of material solutions that could mitigate these emerging thermal sensor technologies.

Further, the committee recommends an increase of \$5.0 million in PE 63118A for soldier lethality advanced technologies.

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, DEFENSE-WIDE

Items of Special Interest

Cyber institutes at senior military colleges

The budget request included no funds for cyber institutes.

Section 1640 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232) authorized the Secretary of Defense to establish cyber institutes at each of the senior military colleges for purposes of accelerating and focusing the development of foundational expertise in critical cyber operational skills for future military and civilian senior leaders. The committee understands that the cyber institutes have not yet been established, but that the senior military colleges, as defined by section 1640, have a formal proposal for establishment.

The committee notes that women and minorities remain underrepresented in the cyber security sector in both military and civilian settings. To increase diversity and opportunity, the committee expects the Department to use the cyber institutes to conduct effective outreach, recruiting, and retention programs focused on increasing matriculation in and completion of cyber security programs by women and underrepresented minorities. The committee directs the Secretary of Defense to provide a briefing to House Committee on Armed Services not later than 180 days after the designation of cyber institutes on the strategy of each cyber institute to achieve diversity in the cyber security sector.

The committee recommends an increase of \$12.0 million in PE 303140D8Z for such institutes in order to facilitate development of critical cyber operational skills for future civilian and military leaders.

Historically black colleges and universities and minority serving institutions

The budget request contained \$30.7 million in PE 61228D8Z for research work with historically black colleges and universities and minority serving institutions (HBCU/MI).

The committee recognizes the important role this program plays in bolstering the research capabilities at HBCU/MIs. Not only is such work important in meeting the research needs of the Department of Defense, the committee also

believes it provides an added benefit by diversifying the Department's supply of scientists, engineers, and researchers working on the its most challenging problems.

The committee also acknowledges the ongoing efforts of the Department to increase the participation of women from underserved populations in science, technology, engineering, and mathematics (STEM) related areas of research. The committee urges the Department to continue funding for Center of Excellence efforts at historically black colleges and universities that support training and education of minority women in STEM fields of interest to the military, particularly through research funding, fellowships and internships, and cooperative work experiences at the Defense Laboratories. The committee recommends that the Department consider increasing investments in these kinds of activities in future budgets to support Administration initiatives on HBCU/MIIs.

The committee additionally recommends that the Department strengthen its engagement and investments via the quantity and value of grants, studies, technical support contracts, and subcontracts with HBCU/MIIs with a goal of elevating the quality of research and scientific activity at those institutions to the R1 and R2 level of the Carnegie Classification of Institutions of Higher Education. Therefore, the committee directs the Under Secretary of Defense for Research and Engineering to submit a report to the congressional defense committees by March 1, 2020, on how the Department can expose HBCU/MIIs to new levels of research and scientific problems for the benefit of the Department.

In addition, the committee recommends \$50.7 million, an increase of \$20.0 million, in PE 61228D8Z for additional research between HBCU/MIIs, and increased teaming opportunities between these institutions and other research universities with experience supporting the Department's unique requirements. This amount is above the enacted budget of fiscal year 2019.

TITLE III—OPERATION AND MAINTENANCE

ITEMS OF SPECIAL INTEREST

ENERGY ISSUES

Report on Department of Defense and NATO Cooperation on Energy Infrastructure

The committee recognizes that energy security in Europe is a critical enabler to United States military readiness in the region. The committee further appreciates that the United States has economic and national security interests in assisting Central and Eastern European countries in achieving energy security through diversification of energy sources and supply routes. To that end, the committee encourages the Secretary of Defense, in coordination with the Secretary of State, to work with our North Atlantic Treaty Organization (NATO) allies and partners to study vulnerabilities from energy instability in Europe and develop ways to mitigate these vulnerabilities. The committee directs the Secretary of

Defense to provide a report to the House Committee on Armed Services by March 1, 2020, that provides the results of this study. The report shall include at least the following:

- (1) identify and list energy vulnerabilities that impact the military readiness of the United States and its allies in Central and Eastern Europe;
- (2) identify and list vulnerabilities to supply routes that impact the military readiness of the United States and its allies in Central and Eastern Europe;
- (3) assess the Department of Defense's current ability to mitigate and respond to these vulnerabilities;
- (4) identify ways in which the Department can enhance integration and mitigate these vulnerabilities in the future; and
- (5) results of coordination with the Department of State on ways in which diplomatic relationships can be leveraged to provide energy security.

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

ITEMS OF SPECIAL INTEREST

Assessment of Defense Sustainment Enterprise

The committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a comprehensive report to the House Committee on Armed Services not later than December 31, 2019, assessing the defense sustainment enterprise in order to identify the capability of that enterprise to support the National Defense Strategy and alternatives to improve the effectiveness, efficiency, and affordability of the overall defense sustainment enterprise. The report shall include:

- (1) the appropriate balance of leadership attention to acquisition and sustainment;
- (2) organizational structures;
- (3) the national industrial base (including both organizations organic to the Department of Defense and commercial organizations), including the right size and composition of the industrial base regarding organic and commercial technology to take best advantage of all capabilities in view of the National Defense Strategy, and depot determinations within the industrial base (organic and commercial), focused on warfighting requirements;
- (4) accountability of the Defense Materiel Enterprise for outcomes tied to readiness requirements;
- (5) such other matters as are needed to provide a full and accurate assessment of the defense sustainment enterprise; and
- (6) the Secretary's plan for any steps to be taken to address the cases identified above within the Department of Defense and such recommendations for legislative action as the Secretary considers appropriate as a result of the review.

The committee notes that sustainment currently lacks equal footing with development and procurement during the acquisition phase of a program. The committee further notes that while the Department of Defense must be able to immediately counter multipronged, prolonged threats, the current logistics and sustainment system lacks the agility needed to do so. The committee agrees with the acquisition advisory panel established under section 809 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), which highlighted in its final report, dated January 15, 2019, a number of concerns related to lack of product support and sustainment management which has led to degraded weapon system readiness, rising sustainment costs, and insufficient supply support.

Assessment of the Use of Tantalum

The committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a report to the House Committee on Armed Services not later than December 31, 2019, assessing the current use of the critical material tantalum in Department of Defense acquisition programs. The report shall include an assessment of the current levels of tantalum in the National Defense Stockpile and the source countries involved in the purchase of the raw material. The report shall also include information on domestic and foreign sources for both procuring and processing tantalum that the Department has identified. The report submitted shall be classified at levels appropriate to and sufficient for access to data necessary for a comprehensive review of the subject and related information but must include an unclassified summary of findings and recommendations. The Under Secretary may submit comments, if any, to accompany the report's classified or unclassified findings and recommendations.

Assessment of Program Management Structure and Improvements

The committee directs the Secretary of Defense to provide a report to the House Committee on Armed Services not later than December 31, 2019, assessing the acquisition training of program managers. The report shall include a comprehensive plan to improve program management capacity and workforce competency, to include:

- (1) appropriate subject matter experience, education, years of experience, certifications, and other qualifications set forth separately for current Department of Defense employees and personnel in program management positions;
- (2) a plan for career training, including training in leadership, program management, engineering, finance and budgeting, market research, business management, contracting, supplier management, requirement setting and tradeoffs, intellectual property matters, and software;
- (3) a description of benefits using existing human capital flexibility to retain qualified employees, such as student loan repayments, bonuses, or pay banding;

(4) a description of use of the Defense Acquisition Workforce Development Fund (DAWDF) established under section 1705 of title 10, United States Code, to train personnel in program management positions; and

(5) 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 and integrated with existing program manager development efforts.

The committee notes that this review and plan should facilitate implementation of the portfolio management structure the Department has already undertaken. As the Department works to streamline and improve the defense acquisition system, American National Standards Institute (ANSI)-accredited standards should be a main source for policy updates and guidance around program management. The committee encourages working toward closing any gaps between current Department policy and the ANSI-accredited standards to streamline disparate delivery methods into a common delivery platform that drives consistent performance across the Department and its industrial base while ensuring compliance with Office of Management and Budget Circulars A-11 and A-119 and Public Law 114-264. The committee also notes that DAWDF is a primary funding source for program and project manager training and development, but inconsistent access across the Department that prevents many professionals from accessing this support should be addressed.

Assessment of Training Needs for Non-Acquisition Workforce Personnel

The committee recognizes the importance of non-acquisition workforce personnel who work on acquisitions at the Department of Defense, especially personnel who play a significant role in defining requirements, conducting market research, participating in source selection and contract negotiation efforts, and overseeing contract performance. However, the committee is concerned that the Department has limited visibility into the non-acquisition workforce, including personnel who may not be receiving acquisition training that would enhance their contributions.

The committee directs the Secretary of Defense to provide a report to the House Committee on Armed Services by February 1, 2020, that assesses the unmet demand for courses and modules offered by the Defense Acquisition University. The report shall include an assessment of the fiscal year 2019 courses and modules offered by Defense Acquisition University, the extent that non-acquisition workforce are taking acquisition training, and the courses and modules that have wait lists by the start of the course or module. The report shall also address the number of courses and modules with wait lists as well as the number and type of non-acquisition personnel on the wait lists, including staff who support foreign military sales processes.

Further, the report should include plans for how the Department will meet the training needs for non-acquisition workforce personnel. The report should

address how the Department will identify and track non-acquisition workforce personnel who play a significant role in the acquisition process. Lastly, the report should also address 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.

Comptroller General Report on Procurement Technical Assistance Centers

The committee notes that little is known about the effectiveness of the Procurement Technical Assistance Program and its centers, known as Procurement Technical Assistance Centers (PTAC), in helping businesses pursue and perform under contracts with the Department of Defense, other Federal agencies, State and local governments, and government prime contractors. The committee is concerned that these centers have not been utilized to their fullest capacity to expand the number of businesses capable of participating in government contracts and whether they duplicate services available elsewhere.

Therefore, the committee directs the Comptroller General of the United States to assess the services that PTACs provide to businesses seeking participation in Federal procurement. The review shall address:

- (1) the number of PTACs and their geographic distribution;
- (2) what is known about the number of businesses that are assisted annually by PTACs;
- (3) how businesses obtain access to PTAC services, including through procurement events sponsored by other agencies (for example, matchmaking events), classroom instruction, and counseling;
- (4) training requirements and their implementation for PTAC staff members providing services to businesses;
- (5) the mechanism used to determine PTAC funding;
- (6) what statistics are collected to measure the performance and effectiveness of PTACs; and
- (7) any other matters deemed important by the Comptroller General.

The committee further directs the Comptroller General to provide a briefing to the House Committee on Armed Services not later than March 2, 2020, on the Comptroller General's preliminary findings, and to submit a final report to the congressional defense committees on a date agreed to at the time of the briefing.

Comptroller General Report on the Joint Capabilities Integration and Development System Timelines

The committee notes that there have been longstanding concerns about the effectiveness and efficiency of the Joint Capabilities Integration and Development System (JCIDS) process. In 2008, the Government Accountability Office (GAO) found that most of the capability proposals that had gone through the process were approved, and that the process was not effective in identifying and prioritizing

warfighting needs from a joint, department-wide perspective at the Department of Defense (DOD). Since that time, GAO has made numerous recommendations to improve DOD's ability to prioritize joint capability needs.

The National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) modified the responsibilities of the Joint Requirements Oversight Council (JROC), which oversees the JCIDS process, to focus on critical joint military capabilities. The Act also generally designated non-joint performance requirements as the responsibility of the Chief of Staff of the military service concerned and stated that these performance requirements were not required to be validated by the JROC. The committee is aware that the Joint Staff began implementing revised procedures for the JCIDS process effective in November 2018 to address these modifications.

Therefore, the committee directs the Comptroller General of the United States to assess the effects of the recent revisions to the JCIDS process. At a minimum, the review shall address:

(1) how the JCIDS process has been revised to address the modifications to the requirements process subsequent to the National Defense Authorization Act for Fiscal Year 2017;

(2) the extent to which joint performance requirements have been established and validated by the JROC since revised procedures were implemented and the timeframes associated with validating those requirements;

(3) the extent to which the recent revisions to the process met anticipated goals and created challenges; and

(4) the extent to which the military services have assessed whether they have effective processes and sufficient qualified workforces to perform their requirements development and validation responsibilities.

The committee further directs the Comptroller General to provide a briefing to the House Committee on Armed Services not later than December 1, 2020, on the Comptroller General's preliminary findings, and to submit a final report to the congressional defense committees on a date agreed to at the time of the briefing.

Comptroller General Report on the Use of Fixed-Price Incentive Contracts

The committee notes that the Department of Defense has increasingly favored the use of fixed-price incentive (FPI) type contracts, particularly for the development and initial production of major defense acquisition programs (MDAPs). In response to guidance issued by the Department, the military services have generally incorporated FPI type contracts into requests for proposals for both the development and early production of their major weapons systems.

The committee is concerned by the lack of information on the relative benefits and costs associated with the Department's increased reliance on FPI contracts, including for Foreign Military Sales (FMS). Therefore, the committee directs the Comptroller General of the United States to submit a report to the congressional defense committees not later than July 31, 2020, on the use of FPI

type contracts for major systems within the Department since 2010. The report shall address, but not be limited to, the following elements:

(1) the number of FPI and firm-fixed-price (FFP) contracts awarded by the Department since 2010;

(2) a comparison of the average length of time for the Department to negotiate FPI and FFP contracts;

(3) a comparison of the average length of time for the Department to close out FPI and FFP contracts;

(4) a comparison of the average costs to the Department and contractor to close out FPI and FFP contracts; and

(5) the number of times the Department has transitioned to FFP contracts when actual costs on prior related contracts were within 3-4 percent of negotiated costs.

The report shall also address certain elements unique to contracting in support of FMS cases, including:

(1) the number of times the Department used a waiver or exception to use a contract type other than FFP to award an FMS contract;

(2) the number of FMS contracts or contracts with FMS-specific contract line item numbers (CLINs) issued by the Department on an FPI versus FFP basis;

(3) the number of the above FMS FPI contracts and CLINs that have been closed out;

(4) the procedure for closing out the above FMS FPI contracts and CLINs; and

(5) how the Department addresses cost underruns or overruns on FMS FPI and FFP contracts and CLINs.

The committee further directs the Comptroller General to provide a briefing to the House Committee on Armed Services not later than February 3, 2020, on the Comptroller General's preliminary findings.

Defense Production Act Title III Funding

The committee directs the Under Secretary of Defense for Acquisition and Sustainment to submit a report to the House Committee on Armed Services not later than December 31, 2019, on any legal or resource barriers to the expeditious investment of appropriated Defense Production Act (DPA) Title III funds, including the requirement for a non-delegable Presidential determination. The report shall identify methods to invest in new technologies consistent with Department of Defense modernization priorities. The committee recognizes the value of the DPA Title III program in investing in domestic production capabilities critical to our national defense and urges the DPA Title III office to explore investment in innovative technologies consistent with the military services' modernization priorities, including for operating in contested environments.

Insight Regarding Use of Lowest Price Technically Acceptable Source Selection Criteria

The committee recognizes that there is a continued need for insight and transparency regarding the extent to which lowest price technically acceptable (LPTA) source selection criteria are used by executive agencies. The committee also notes that the Department of Defense has not revised the Defense Federal Acquisition Regulations Supplement (DFARS) nor has the Office of Federal Procurement Policy (OFPP) revised the Federal Acquisition Regulation (FAR) to reflect the revised LPTA source selection criteria specified in the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) and John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232), respectively. The committee remains interested in the Department's and the OFPP's efforts to verify that the use of LPTA source selection criteria is appropriate.

Therefore, the committee directs the Secretary of Defense to provide a briefing to the congressional defense committees by March 1, 2020, on the status of Department efforts to revise the DFARS, issue related guidance to implement the statutory criteria, and ensure that its contracting officers are considering these criteria.

The committee also directs the Administrator of the U.S. General Services Administration (GSA) to provide a briefing to the congressional defense committees, the House Committee on Oversight Reform, and the Senate Committee on Homeland Security and Governmental Affairs by March 1, 2020, on the status of efforts to update the Federal Procurement Data System, or any successor systems, to collect data on source selection procedures used in awarding contracts. In addition, the committee directs the Administrator of GSA to provide a briefing to these committees by June 30, 2020, on the status of its efforts to revise the FAR and ensure that contracting officers in civilian agencies are considering the statutory criteria applicable to them.

Procurement Technical Assistance Centers Training Standards

The committee supports the efforts of the Department of Defense to provide individualized, tailored training to meet the needs of Procurement Technical Assistance Centers nationwide. The committee is aware of and encourages the Defense Logistics Agency's work in consultation with the Association of Procurement Technical Assistance Centers and its members to support and enable effective training for the Procurement Technical Assistance Centers, but believes that formal, regularly updated standards would further advance these efforts.

The committee directs the Director of the Defense Logistics Agency to provide a briefing to the House Committee on Armed Services by December 1, 2019, on training standards required for staff who work at Procurement Technical Assistance Centers, including training offered by the Defense Acquisition University. The briefing should identify the training curriculum to meet those standards, training curriculum that needs to be developed, and the plan to deliver the training. Finally, the briefing should include the Defense Logistics Agency

method to track training completion for the Procurement Technical Assistance Center staff.

Report on Domestic Nonavailability Waiver Process

The committee directs the Assistant Secretary of Defense for Sustainment to provide a briefing to the House Committee on Armed Services not later than December 31, 2019, on the domestic nonavailability waiver process currently used by the Department of Defense. Such a briefing shall include:

(1) the Department's process to inform existing suppliers about the waiver process and guide applicants through the process;

(2) the Department's process to find domestic suppliers after a waiver has been requested;

(3) the Department's process to review previously granted waivers to determine if domestic options not previously available for supply are now available;

(4) the Department's efforts to get feedback from private industry on the waiver process, both from suppliers submitting an application for a waiver and from domestic suppliers who believe that they can provide an item deemed domestically nonavailable; and

(5) a list of all domestic nonavailability determinations and national security waivers granted under sections 2533a and 2533b of title 10, United States Code, since January 1, 2014.

Review of Conflicts of Interest in Organizational Analysis of the Department of Defense

The committee recognizes the importance of assessing the effectiveness of organizations across the Department of Defense to validate their missions and functions, identify metrics to measure performance, and determine areas for improvement. The committee notes that any assessments should examine the risks and legal and ethical considerations associated with combining functions or using commercial providers to carry out certain functions. The committee is also aware that the Secretary of Defense is required to conduct joint reviews and submit reports regarding the Defense Contract Audit Agency, Defense Contract Management Agency, and Defense Finance and Accounting Service pursuant sections 925 and 926 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232).

Therefore, the committee directs the Secretary of Defense, acting through the Chief Management Officer of the Department of Defense, to submit risk assessments to the congressional defense committees not later than March 1, 2020, to supplement the reports required by sections 925 and 926 of Public Law 115-232. The risk assessments should reflect the Department's analysis of potential combination of functions with each other or the use of commercial providers, as

applicable. The risk assessments should include analysis of the legal and ethical implications of:

- (1) conflict of interest considerations;
- (2) the risks posed to governmental interests and the public when “closely associated with inherently governmental” functions as defined in section 2383 of title 10, United States Code, are performed by commercial providers;
- (3) the risks to mission failure when “critical” functions as defined in section 2461 of title 10, United States Code, are performed by commercial providers;
- (4) the risks of creating an “employer-employee relationship” through the use of “personal services contracts,” whether authorized by statutory exception (e.g., section 129b of title 10, United States Code) or otherwise prohibited; and
- (5) the application of each of the general ethical principles in 5 Code of Federal Regulation section 2635.101(b).

Small Business Procurement Specialists at Military Installations

The committee recognizes the vital service that small business procurement specialists provide to small businesses seeking to do business with the Department of Defense. Further, the committee notes that small business procurement specialists located on installations are best equipped to understand the products and services that local communities can provide to the U.S. Government. However, the committee is concerned that the Department of the Army is considering the realignment and potential consolidation of small business procurement resources without assessing and articulating the tradeoffs, such as the impact on minority-owned small businesses.

Therefore, the committee directs the Secretary of the Army to submit a report to the House Committee on Armed Services by February 1, 2020, on the Army's strategy for managing and allocating its small business procurement specialists. The report shall:

- (1) reflect alternate staffing models that the Army is considering or implementing, such as regional or national plans to centralize resources at a single site instead of maintaining the on-installation specialist model;
- (2) explain, where applicable, how the Army serves or plans to serve communities where there is no local small business procurement specialist; and
- (3) specify the metrics used to measure the Army's effectiveness in reaching small businesses, including in areas where there is no local small business procurement specialist.

TITLE X—GENERAL PROVISIONS

ITEMS OF SPECIAL INTEREST

OTHER MATTERS

Briefing on Support to Civil Authorities in Support of Natural Disasters and Law Enforcement with Aerial Platforms and Satellites

The committee recognizes that the Department of Defense provides resources at the request of States, territories, and other Federal agencies in support of natural disasters and matters of law enforcement. Some of this support comes in the form of unmanned and manned aerial systems supporting search and rescue operations, natural disasters (to include preemptive measures), and through collaboration between the Department and other Federal agencies. The committee also recognizes that the Department utilizes some of its space-based resources to assist in wildfire support (to include detection) and other natural disasters. The committee is concerned that there is a lack of understanding of the policy, procedures, and overall availability of Department resources.

Therefore, the committee directs the Secretary of Defense, in coordination with the Director of the National Geospatial-Intelligence Agency, to provide an unclassified briefing to the House Committee on Armed Services not later than September 30, 2019, on the availability of Department resources, focusing on aerial and satellite platforms in support of natural disasters and law enforcement, the assets that are currently available, and how States, territories, and Federal agencies request or access these resources.

The briefing should provide:

(1) an explanation of Unmanned Aerial Systems (UAS), piloted platforms, and satellite support the Department provides or can provide to States and other Federal agencies, including examples of support provided, length of time to approve requests, whether any requests were disapproved and the reason that such requests were disapproved, during calendar year 2018.

(2) an overview of programs, including satellite systems, that provide wildfire support to States and Federal agencies, including how long such programs have been in operation, the processes by which States access such programs, and whether such programs provide detection and early warning as well as support during wildfires. The overview shall include examples of the support the Department provided in calendar year 2018 to wildfire suppression and wildfire detection.

(3) an overview of current policies regarding the use of such systems and platforms by States and Federal agencies and the procedures a State or Federal agency must follow to obtain Department support for natural disasters and search and rescue operations, including whether UAS require additional approvals, and the amount of time to obtain additional approvals. Further, a discussion of whether such procedures can be streamlined, and whether different authorities exist when requesting use of unmanned systems versus manned systems.

(4) a description of the different categories of the Department's UAS, how the different categories are managed, and if certain UAS categories affect the Department's ability to provide support to a State or Federal agency.

(5) a description of how the Department shares imagery collected by manned aircraft and UAS with Federal, State, and local disaster responders, including whether such imagery is shared in real time.

(6) an explanation of any restrictions on the use of UAS under the “Guidance for the Domestic Use of Unmanned Aircraft Systems in U.S. National Airspace”, August 18, 2018, and Department of Defense Instruction (DODI) 3025.18 “Defense Support to Civil Authorities,” or other relevant Department of Defense guidance.

(7) a description of how the Department (Active Duty, National Guard, and the Reserves) supports other Federal agencies with UAS assets, specifically the Department of Homeland Security (DHS) and Custom and Border Protection (CBP), including examples of requests that were supported or not supported and an explanation for such determinations.

(8) a description of policies and laws that facilitate or restrict Department support to DHS or CBP, and a description of any systems in place that enable long-range planning to support DHS and CBP support requests.

(9) an analysis of how the Department of Defense can improve access and knowledge of resources to States, territories, and other Federal agencies and whether there are plans to make more assets available in the future.

(10) any other matters the Secretary determines appropriate.

Commercial Technology Support to Audit Efforts

The committee notes the rapid progress of commercial digital technologies such as robotic process automation, cognitive computing, and artificial intelligence, and encourages the Department of Defense to leverage such advancements in order to improve the quality and richness of financial data, reduce or eliminate manual processes and complex financial reconciliations, and accelerate the Department's achievement of an unmodified audit opinion. The committee directs the Under Secretary of Defense (Comptroller), in coordination with the Chief Management Officer, to provide a briefing to the House Committee on Armed Services not later than February 1, 2020, on the initiatives the Department has undertaken to incorporate commercial digital technologies into the Department's business processes.

Independent Study on Detainee Medical Care at United States Naval Station, Guantanamo Bay, Cuba

The committee notes the important value of an independent assessment of detainee medical care at United States Naval Station, Guantanamo Bay, Cuba. Therefore, the committee directs the Comptroller General of the United States to provide a report to the congressional defense committees not later than September 1, 2020, on the quality of medical care provided to detainees at United States Naval Station, Guantanamo Bay, Cuba. The report shall include the following:

(1) a review of the medical care, including specialty care, provided to detainees at Guantanamo after January 10, 2002;

(2) an assessment of the health care requirements of the detainees at Guantanamo;

(3) an assessment of relevant standards of care for comparison to the quality of medical care provided for detainees at Guantanamo;

(4) whether there are specific professional or training requirements for providers at Guantanamo, and how this may affect the provision of medical care for detainees;

(5) whether there are specific challenges to providing health care, including specialty care, to detainees at Guantanamo, such as policy, practice, and organizational factors; access to detainee medical records; and security clearance policy and the need for security clearances; and

(6) an assessment of policies at Guantanamo related to detainee medical records and their interaction with the Military Commissions process, including any impacts on medical care.

As appropriate, the report shall provide recommendations for policy changes, including any recommendations that would require legislative action. The report shall be unclassified without dissemination control, but may include a classified annex.

Office of the Chief Management Officer Human Capital Analysis

The committee notes that the Office of the Chief Management Officer (CMO), which establishes policy and guidance for business system investments, has not demonstrated that it has conducted a human capital analysis, as recommended by the Government Accountability Office (GAO) in May 2013. The committee is concerned that without the insights provided by such an analysis, the Office of the CMO will be limited in its ability to plan strategically to address skill gaps, likewise limiting its ability to lead improvement initiatives across the Department of Defense. Given the importance of defense business system investments to key Department initiatives such as Financial Improvement and Audit Remediation, the committee believes it important that the CMO perform such an analysis at the earliest possible date. Accordingly, the committee directs the Chief Management Officer to provide an interim briefing to the House Committee on Armed Services not later than September 30, 2019, outlining a plan to conduct a human capital analysis pursuant to the GAO recommendation, as well as a report to the congressional defense committees not later than January 15, 2020, detailing the results of the human capital analysis.

Report on the Process for Repatriation of Individuals Who Have Been Cleared for Transfer out of United States Naval Station, Guantanamo Bay, Cuba

The committee is concerned that the process for transferring individuals detained at U.S. Naval Station, Guantanamo Bay, Cuba, to third countries once they have been cleared for transfer by a periodic review board or the Guantanamo Review Task Force has ceased to make headway. A number of individuals detained

at U.S. Naval Station, Guantanamo Bay, have been cleared for transfer to third countries, yet no such cleared individual has been transferred since January 20, 2017.

In addition, an envoy in charge of detainee repatriation has not been appointed, and although periodic review boards (PRBs) continue to operate, the status and the future of the transfer process is unclear. The committee believes that the lack of transfers poses serious policy and human rights concerns, and that the lack of transfers is having a substantial negative impact on the functioning of the PRB process and other proceedings at the Guantanamo Detention Facility, as well as the detainee population and Joint Task Force Guantanamo personnel. The committee believes the repatriation process should recommence immediately and urges the administration to facilitate the transfer process without delay.

In light of these concerns, the committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than September 30, 2019, on the state of the repatriation process. The report shall be unclassified without dissemination control, but may include a classified annex. At a minimum, the report should address the following issues:

- (1) the status of and current plans for the repatriation process;
 - (2) an explanation of the reasons why there has not been a transfer of an individual who has been cleared for transfer by a periodic review board or the Guantanamo Review Task Force since January 20, 2017, including any policy reviews or changes that have occurred to the PRB process;
 - (3) the current state of each individual's case who has been cleared for transfer, but has not been transferred, including any actions taken to facilitate their transfer, any obstacles to their transfer, the current state of any planning for transfer;
 - (4) an explanation of the reasons why a repatriation envoy for the Department of Defense has not been appointed, the impact that the lack of a repatriation envoy has on the repatriation process, whether there have been any efforts in the absence of a repatriation envoy, and an assessment of those efforts if applicable;
 - (5) an assessment of who in the administration is currently in charge of arranging transfers for cleared detainees, monitoring former detainees' safety after repatriation or resettlement, and monitoring country compliance with transfer agreements;
 - (6) the status of and current plans for the periodic review board process;
- and
- (7) an assessment of any collateral impacts to the detention process and proceedings at Guantanamo that have occurred as a result of the lack of transfers.

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

ITEMS OF SPECIAL INTEREST

Briefing on Afghanistan Reconciliation

The committee is aware that reconciliation talks have begun between the United States and the Taliban regarding a negotiated peace in Afghanistan. The committee supports the objectives of the South Asia strategy to create the conditions to support a political settlement in Afghanistan, and the efforts of the Special Representative for Afghanistan Reconciliation, the Secretary of State, and the Commander, Resolute Support Mission, to engage in reconciliation talks. Therefore, the committee directs the Secretary of Defense, in coordination with the Secretary of State and the Director of National Intelligence, to provide a briefing to the House Committee on Armed Services by October 1, 2019, on the status of the U.S reconciliation negotiations with the Taliban and progress toward an intra-Afghan dialogue between the Afghan Government and the Taliban, as well as any potential shifts in the posture of the U.S. Armed Forces in Afghanistan as a result of successful negotiations. Such briefing shall also include the following elements with respect to the extent to which Taliban leaders present at the reconciliation talks:

- (1) maintain active association with terrorist organizations inside and outside of Afghanistan;
- (2) support the legitimacy of the Government of Afghanistan;
- (3) commit to maintaining societal gains advanced in the past 18 years including: protecting the rights of women and girls to access public healthcare, hold property, access education, and have freedom of movement;
- (4) commit to stop receiving funds and military support from non-Afghan governments or organizations;
- (5) will assist and be an active participant with the Government of Afghanistan in future counterterrorism operations; and
- (6) any other matter the Secretary of Defense considers appropriate.

Briefing on Defense Department Plans for the European Deterrence Initiative

The committee continues to support the European Deterrence Initiative (EDI) and seeks to ensure a sustained U.S. commitment to deterrence in Europe at levels appropriate to the challenges at hand. Therefore, the committee directs the Secretary of Defense, in coordination with the Commander, U.S. European Command, to provide a briefing to the House Committee on Armed Services not later than October 30, 2019. The briefing shall include the following:

- (1) a thorough explanation of the plans and assumptions underlying the future years plan for EDI that was submitted to Congress pursuant to section 1237(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91);
- (2) a thorough explanation of the current plans and assumptions for EDI over the next 5 years, based on the planning that informed the fiscal year 2020 budget request for EDI;

- (3) a comparison identifying and explaining the differences and similarities between the plans and assumptions identified in (1) and (2);
- (4) a detailed explanation of the rationale and implications of any changes in the plans and assumptions identified in (1) and (2); and
- (5) any other matters the Secretary considers appropriate.

Comptroller General Review of Posture to Counter Russian Aggression

The National Defense Strategy highlights challenges to the sovereignty and integrity of North Atlantic Treaty Organization (NATO) members posed by Russian aggression across all warfighting domains. NATO remains the foundation of trans-Atlantic security, and the committee supports U.S. engagement with our NATO allies. Since 2014, Congress has funded the European Deterrence Initiative (EDI) to strengthen our partnerships and deter Russian aggression by increasing the presence of U.S. forces and prepositioned equipment in Europe, improving infrastructure, supporting NATO enhanced forward presence deployments, and sponsoring multinational training and exercises. In testimony before the committee, the Commander of U.S. European Command stated these efforts have improved readiness and helped deter Russian aggression, but stressed the need to further augment U.S. ground, air, maritime and cyber forces and capabilities, and invest in NATO's logistical infrastructure and capacity.

Recognizing the long-term commitment to preserving peace and stability in Europe, the committee supports a strategy to counter Russian aggression, deter conflict, and achieve victory in a conventional conflict if deterrence fails. However, given the incremental approach taken under EDI to date, the committee is concerned that the options for meeting the force structure, posture, and readiness requirements to implement such a strategy have not been fully assessed. Therefore, the committee directs the Comptroller General of the United States to assess the extent to which the Department of Defense has evaluated its force structure and posture options for countering Russian aggression in Europe. At a minimum, this review should assess the extent to which the Department of Defense has:

- (1) assessed requirements for land, air, maritime, space, and cyber capabilities and force structure;
- (2) evaluated the strategic, operational, and tactical benefits and costs of different posture options, including forward stationed forces and rotational deployments;
- (3) assessed the strategic lift, intra-theater mobility, infrastructure, and logistical support requirements and costs for different posture options; and
- (4) factored in how U.S. Armed Forces would integrate with NATO enhanced forward presence and other forces.

The Comptroller General shall provide a briefing to the House Committee on Armed Services not later than March 1, 2020, on preliminary findings of the review, and to present final results in a format and timeframe agreed to at the time of the briefing.

Implementation of Taiwan's Defense Strategy

The committee recognizes that April 10, 2019, marks the 40th anniversary of the Taiwan Relations Act of 1979 (Public Law 96-8). The committee believes: (1) the Taiwan Relations Act and the Six Assurances are both cornerstones of United States relations with Taiwan; (2) the United States should strengthen defense cooperation with Taiwan to support the development of capable, ready, and modern defense forces necessary for Taiwan to maintain a sufficient self-defense capability; (3) the United States should promote policies concerning exchanges that enhance the security of Taiwan, including opportunities for practical training and military exercises with Taiwan and exchanges between senior defense officials and general officers of the United States and Taiwan consistent with the Taiwan Travel Act (Public Law 115-135); and (4) the United States should transfer defense articles to Taiwan to improve Taiwan's self-defense capability.

The committee directs the Secretary of Defense, in coordination with the Secretary of State, to provide a report to the congressional defense committees, the House Committee on Foreign Affairs, and the Senate Committee on Foreign Relations not later than October 1, 2019, on activities to support Taiwan's implementation of its defense strategy.

At a minimum, the report shall include:

- (1) an assessment of existing and likely future threats to Taiwan, and Taiwan's implementation of its defense strategy;
- (2) a discussion of the Department's current and future plans to support Taiwan's efforts to develop and integrate self-defense capabilities against such threats into its military forces;
- (3) a discussion of how the transfer of defense articles to Taiwan are tailored to meet Taiwan's self-defense needs;
- (4) a description of senior-level engagement with Taiwan, including defense engagement, and how such engagements enhance Taiwan's self-defense capabilities;
- (5) a description of the Department's efforts to support Taiwan's resilience to information or influence operations; and
- (6) any other matters the Secretary of Defense determines should be included.

Report on Chinese Efforts Targeting Democratic Elections and U.S. Alliances and Partnerships and Strategy to Counter Chinese Election Interference

The committee directs the Secretary of Defense, in coordination with the Director of National Intelligence, the Secretary of State, and the Secretary of Homeland Security, to provide a report to the congressional defense committees, the congressional intelligence committees, the House Committee on Foreign Affairs, the Senate Committee on Foreign Relations, the House Committee on Homeland Security, and the Senate Committee on Homeland Security and Governmental Affairs on China's influence operations and campaigns targeting democratic elections. The report shall be divided into two sections, which respectively address

influence operations and campaigns targeting: (1) recent and upcoming elections in the United States (dating back to January 1, 2017), and (2) military alliances and partnerships of which the United States is a member. The report should also include a strategy to counter these activities. The committee further directs the Secretary of Defense to provide an interim report not later than November 5, 2019, and a final report not later than September 30, 2020.

The report shall be unclassified and appropriate for release to the public but may include a classified annex. At a minimum, the report should include:

(1) an assessment of China's objectives in influence operations and campaigns targeting democratic elections and military alliances and partnerships of which the United States is a member, and how such objectives relate to the China's broader strategic aims.

(2) the United States' strategy and capabilities for detecting, deterring, countering, and disrupting such Chinese influence operations (including recommended authorities and activities) and campaigns and a discussion of the Department of Defense's and intelligence community's respective roles in the strategy.

(3) a comprehensive list of specific Chinese state and non-state entities involved in supporting such Chinese influence operations and campaigns and the role of each entity in supporting them.

(4) an identification of the tactics, techniques, and procedures used in previous Chinese influence operations and campaigns.

(5) a comprehensive identification of countries with democratic election systems that have been targeted by Chinese influence operations and campaigns since January 1, 2017.

(6) an assessment of the impact of previous Chinese influence operations and campaigns targeting democratic elections and military alliances and partnerships of which the United States is a member, including the views of senior Chinese officials about their effectiveness in achieving Chinese objectives.

(7) an identification of countries with democratic elections systems that may be targeted in future Chinese influence operations and campaigns and an assessment of the likelihood that each such country will be targeted.

(8) an identification of all U.S. military alliances and partnerships that have been targeted by Chinese influence operations and campaigns since January 1, 2017.

(9) an identification of all U.S. military alliances and partnerships that may be targeted in future Chinese influence operations and campaigns and an assessment of the likelihood that each such country will be targeted.

(10) an identification of tactics, techniques, and procedures likely to be used in future Chinese influence operations and campaigns targeting democratic elections and military alliances and partnerships of which the United States is a member.

Report on Effective Security Sector Assistance Tools

The committee notes the United States has used a variety of security sector assistance tools to support partner forces in the campaign to defeat the Islamic State of Iraq and Syria since 2015. The purpose and scope of this assistance has changed over time. The committee recognizes that there may be other, potentially more effective means of assisting and building lasting capabilities within U.S. military partner forces.

Therefore, the committee directs the Secretary of Defense, in coordination with the Secretary of State, to provide a report to the House Committee on Armed Services not later than September 30, 2019, that analyzes the use of security sector assistance in the campaign to defeat the Islamic State of Iraq and Syria and the effectiveness of these tools for building partner capacity. The report should specifically review stipends as a security sector assistance tool and provide a comparison of stipends and other avenues of security sector assistance such as training and equipping. The report should identify other examples in which stipends have been used as a tool of security sector assistance, if applicable, the effectiveness of those cases, and whether stipend payments were transitioned to other security sector assistance methods. The report should further address the impact of stipends on the ability to pursue effective institutional capacity building within military partner institutions.

Report on Russian Efforts Targeting Democratic Elections and U.S. Alliances and Partnerships and Strategy to Counter Russian Election Interference

The committee directs the Secretary of Defense, in coordination with the Director of National Intelligence, the Secretary of State, and the Secretary of Homeland Security, to provide a report to the congressional defense committees, the congressional intelligence committees, the House Committee on Foreign Affairs, the Senate Committee on Foreign Relations, the House Committee on Homeland Security, and the Senate Committee on Homeland Security and Governmental Affairs on Russia's influence operations and campaigns targeting democratic elections. The report shall be divided into two sections, which respectively address influence operations and campaigns targeting: (1) recent and upcoming elections in the United States (dating back to January 1, 2017), and (2) military alliances and partnerships of which the United States is a member. The report should also include a strategy to counter these activities. The committee further directs the Secretary of Defense to provide an interim report not later than November 5, 2019, and a final report not later than September 30, 2020.

The report shall be unclassified and appropriate for release to the public but may include a classified annex. At a minimum, the report should include:

(1) an assessment of Russia's objectives in influence operations and campaigns targeting democratic elections and military alliances and partnerships of which the United States is a member, and how such objectives relate to Russia's broader strategic aims.

(2) the United States strategy and capabilities for detecting, deterring, countering, and disrupting such Russian influence operations (including recommended authorities and activities) and campaigns and a discussion of the Department of Defense's and intelligence community's respective roles in the strategy.

(3) a comprehensive list of specific Russian state and non-state entities involved in supporting such Russian influence operations and campaigns and the role of each entity in supporting them.

(4) an identification of the tactics, techniques, and procedures used in previous PRC influence operations and campaigns.

(5) a comprehensive identification of countries with democratic election systems that have been targeted by Russian influence operations and campaigns since January 1, 2017.

(6) an assessment of the impact of previous Russian influence operations and campaigns targeting democratic elections and military alliances and partnerships of which the United States is a member, including the views of senior Russian officials about their effectiveness in achieving Russian objectives.

(7) an identification of countries with democratic elections systems that may be targeted in future Russian influence operations and campaigns and an assessment of the likelihood that each such country will be targeted.

(8) an identification of all U.S. military alliances and partnerships that have been targeted by Russian influence operations and campaigns since January 1, 2017.

(9) an identification of all U.S. military alliances and partnerships that may be targeted in future Russian influence operations and campaigns and an assessment of the likelihood that each such country will be targeted.

(10) an identification of tactics, techniques, and procedures likely to be used in future Russian influence operations and campaigns targeting democratic elections and military alliances and partnerships of which the United States is a member.

Report on U.S. Central Command's Accounting For and Management of Funds Received from Foreign Partners for Services

The committee is concerned that U.S. Central Command was unable to properly account for the fuel and in-flight refueling services that were delivered to the Saudi-led coalition in support of its conflict against the Houthis in Yemen. The committee directs the Secretary of Defense to provide a report to the House Committee on Armed Services, not later than September 30, 2019, on how U.S. Central Command accounts for and collects monies owed and received from foreign, non-coalition partners for goods and services rendered through acquisition and cross-servicing agreements and other potential avenues of exchange. Further, the report should include the command's process and procedures for tracking goods and

services delivered and under what circumstances or conditions reimbursement for goods and services is not sought from foreign countries.

Report on U.S. Military Activity in Syria

The committee remains concerned by the Administration's lack of clarity regarding the U.S. military strategy in Syria. Therefore, the committee directs the Secretary of Defense to provide a report to the House Committee on Armed Services not later than September 30, 2019, on all activities being undertaken by the U.S. military in Syria and conditions that the Department of Defense seeks to achieve before the U.S. military withdraws from Syria. The report should include any current plans and associated timelines for withdrawal. The report should further assess the status of al-Qaeda and the Islamic State of Iraq and Syria within Syria. The report should be submitted in unclassified form but may include a classified annex.

Report on U.S. Military Training with the Republic of Korea

The committee recognizes combined force readiness is a requirement for maintaining a credible deterrent on the Korean Peninsula. The committee will continue to review the adjustments made to U.S. military training and exercise programs involving the Republic of Korea.

The committee directs the Secretary of Defense to provide a report to the House Committee on Armed Services by December 31, 2019, on U.S. military exercises involving the Republic of Korea for fiscal years 2017-19. The report shall be unclassified without any designation relating to dissemination control but may contain a classified annex. At a minimum, the report shall include:

- (1) a detailed description of U.S. military exercises involving the Republic of Korea for fiscal years 2017-19;
- (2) the size of each such exercise;
- (3) the timing of each such exercise;
- (4) the location of each such exercise;
- (5) where applicable, the name of each such exercise;
- (6) the cost of each such exercise, including a detailed description of direct costs to United States Forces Korea and costs incurred by service components;
- (7) the costs incurred by the Republic of Korea for each such exercise;
- (8) the scope of each such exercise, including: the manner in which such exercises are intended to improve the capability and capacity of the U.S. Armed Forces and Republic of Korea Armed Forces, and the interoperability of Republic of Korea Armed Forces with the U.S. Armed Forces; the necessary competencies or mission essential tasks trained for in the exercise as well as readiness problems or deficiencies identified with each such exercise; and the manner in which such exercises relate to operational concept refinements, military plans, and strategic documents;

(9) a discussion of service member turnover rates in Korea, an assessment of the impact of such rates on joint combined readiness, and efforts to design a training regime to mitigate the readiness impact of such rates; and

(10) any other matters the Secretary determines appropriate to include.

Report on U.S. Strategy to Respond to Russian Threats in the Black Sea

The committee is concerned by Russia's attack on Ukrainian vessels near the Kerch Strait that occurred on November 25, 2018, by its ongoing detention of Ukrainian sailors in the aftermath of that event, and by Russia's aggressive policies in the Black Sea region. Russia's actions pose a threat to lawful navigation in the Black Sea and Ukrainian sovereignty.

The committee is also concerned by Russia's ongoing illegal occupation of Crimea, its ongoing efforts to intimidate U.S. allies and partners in the Black Sea region, its buildup of military resources that could impinge on the sovereignty and freedom of navigation of countries in the Black Sea region, its efforts to interfere in regional elections and political systems, and its efforts to use the region as a vector to facilitate malign activities in the Balkans and other parts of Europe. The committee condemns Russia's actions and reaffirms the commitment of the United States, in coordination with its allies and partners, to countering Russian aggression and deterring actions that impinge on the sovereign rights of U.S. allies and partners in the Black Sea area.

Therefore, the committee directs the Secretary of Defense, in coordination with the Secretary of State, to submit a report to the congressional defense committees and the Committee on Foreign Affairs of the House of Representatives and the Committee on Foreign Relations of the Senate, not later than October 15, 2019, on the United States strategy to counter Russian threats in the Black Sea. At a minimum, the report should address the following issues:

(1) the strategy for the United States, in concert with allies and partners, to counter aggressive actions by Russia and ensure freedom of navigation pursuant to international law and uphold the navigation rights of allies and partners in the Black Sea region;

(2) the strategy to coordinate with the North Atlantic Treaty Organization on a long-term roadmap to counter aggression and uphold lawful navigation rights in the Black Sea region;

(3) the strategy to reinforce the credibility of U.S. commitment to and strengthen the capabilities of allies and partners in the Black Sea region;

(4) the strategy to counter malign influence by Russia and reinforce democratic governance, the rule of law, and shared values in the Black Sea region;

(5) an assessment of Russian military capabilities, including naval capabilities, in and around the Black Sea, and a strategy to counter those capabilities;

(6) an assessment of any deficiencies in Ukraine's naval capabilities which could be enhanced through existing authorities; and

(7) any recommended legislative initiatives that could enhance the ability of the United States to accomplish U.S. and allied goals in the Black Sea region.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

ITEMS OF SPECIAL INTEREST

SPACE ACTIVITIES

Report on Commercial or Non-Commercial Security Launch Sustainability

The committee directs the Secretary of the Air Force to provide a report to the congressional defense committees and the congressional intelligence committees not later than 45 days after the date on which the Secretary of the Air Force selects during fiscal year 2020 two National Security Space Launch providers to be awarded phase two contracts, on whether each selected provider is sustainable as a business based on current or future launches by entities other than the Air Force.

INTELLIGENCE MATTERS

Airborne Intelligence, Surveillance, and Reconnaissance Operational Assessment

The committee recognizes the critical role that Department of Defense airborne intelligence, surveillance, and reconnaissance (ISR) capabilities play supporting military operations worldwide. The committee understands that responsive, persistent, and precise collection of operational information from the air will continue to provide an asymmetric and decisive advantage to operational commanders and tactical forces. The committee also recognizes that to meet the objectives described in the National Defense Strategy, the Department of Defense must modernize and adapt its ISR operating concepts and joint force structure to ensure it can maneuver, fight, and prevail in highly contested environments. However, the committee notes that there is an apparent lack of an integrated joint approach to the Department's ISR modernization strategy. The committee is concerned by recent military service decisions to reduce certain airborne ISR collection platforms without a clear transition plan or approved risk mitigation strategy, despite facing significant deficiencies in collection capacity.

The committee directs the Secretary of Defense to conduct a stress test of joint intelligence, surveillance, and reconnaissance enterprise capabilities required to achieve the operational objectives of its highest priority global campaign plans and evaluate the capability and capacity of existing service programs of record to satisfy joint force requirements for critical categories of intelligence. The committee also directs the Secretary of Defense to provide a briefing to the House Committee

on Armed Services by March 1, 2020, on the results of this stress test. The briefing shall include capability and capacity shortfalls in platforms, sensors, and personnel, as well as address proposed risk mitigation strategies to address critical deficiencies.

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

TITLE XXIII—AIR FORCE MILITARY CONSTRUCTION

ITEMS OF SPECIAL INTEREST

Tyndall Air Force Base Recovery

The committee is concerned about the devastation caused by Hurricane Michael at Tyndall Air Force Base on October 10, 2019. The committee is also aware that the Department of the Air Force has made a decision to locate Joint Strike Fighter aircraft at Tyndall Air Force Base and plans to rebuild the installation as a purpose-built fifth-generation fighter “base of the future.” The committee directs the Secretary of the Air Force to submit a report to the House Committee on Armed Services not later than January 31, 2020, on the detailed master plan for executing all actions, including funding requirements by fiscal year, to fully recover from Hurricane Michael and to support the beddown of three Joint Strike Fighter squadrons and an MQ-9 wing as previously announced. The report should also include details of the environmental impact analysis schedule as required by the National Environmental Policy Act of 1969 (Public Law 91-190), planning and design, anticipated construction schedule by year, and planned delivery dates of aircraft by fiscal year. The Department of the Air Force shall also identify any constraints to the execution of the rebuild of Tyndall Air Force Base and ability of the base to accept the planned delivery of the Joint Strike Fighter aircraft by 2023 as currently planned.

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

TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

ITEMS OF SPECIAL INTEREST

NATIONAL NUCLEAR SECURITY ADMINISTRATION

Naval Reactors

Low-Enriched Uranium Fuel for Naval Reactors

The committee notes that since September 11, 2001, the U.S. Government has sought to remove weapons-usable highly enriched uranium (HEU) containing 20 percent or more uranium-235 from as many locations as possible because of concerns related to nuclear terrorism. The committee notes that the primary focus of this strategy has been on replacing HEU civilian research reactor fuel and targets used in the production of medical radioisotopes, with non-weapons-usable low-enriched uranium (LEU) fuel and targets. This program to reduce the use of HEU for civilian purposes has been successful in reducing the amount of HEU worldwide that could have been at risk of theft or diversion. However, this effort did not address the use of HEU for military purposes. Naval reactors account for the largest share of global HEU use other than nuclear weapons, and in the United States, the fuel is fabricated in civilian, not military, facilities. The committee has been supportive of efforts to assess the feasibility of using low-enriched uranium for naval reactors as such use would not only benefit nuclear non-proliferation efforts but also maintain the research and development skills necessary to sustain innovation and expertise with regard to naval fuel as research and development efforts on the Columbia-class reactor end. The committee continues to support efforts to assess the feasibility of using LEU in naval reactors to meet military requirements for aircraft carriers and submarines.

The National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) required a nuclear submarine study. However, this study lacked sufficient detail to respond to the congressional mandate. Therefore, the committee directs the Administrator for Nuclear Security, in coordination with the Secretary of the Navy, to provide a report to the congressional defense committees not later than December 15, 2019, assessing the feasibility of a design of the reactor module of the Virginia-Class replacement nuclear powered attack submarine that retains the existing hull diameter but leaves sufficient space for an LEU-fueled reactor with a life of the ship core, possibly with an increased module length. If a life of the ship core is unattainable, the report should include the feasibility of a reactor design with the maximum attainable core life and a configuration that enables rapid refueling.

ADDENDUM: SUMMARY TABLES

* NOTE: THE SUMMARY TABLES ARE INFORMATIONAL ONLY AND WILL
BE INCLUDED AS PART OF THE COMMITTEE REPORT

SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2020

(In Thousands of Dollars)

	FY 2020 Request	House Change	House Authorized
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	3,696,429	–8,740	3,687,689
Missile Procurement, Army	3,207,697	–166,000	3,041,697
Weapons & Tracked Combat Vehicles, Army	4,715,566	231,200	4,946,766
Procurement of Ammunition, Army	2,694,548	–140,484	2,554,064
Other Procurement, Army	7,451,301	–173,502	7,277,799
Aircraft Procurement, Navy	18,522,204	319,560	18,841,764
Weapons Procurement, Navy	4,235,244	–113,311	4,121,933
Procurement of Ammunition, Navy & Marine Corps	981,314	–102,900	878,414
Shipbuilding & Conversion, Navy	23,783,710	–1,524,125	22,259,585
Other Procurement, Navy	9,652,956	–536,189	9,116,767
Procurement, Marine Corps	3,090,449	–100,300	2,990,149
Aircraft Procurement, Air Force	16,784,279	963,522	17,747,801
Missile Procurement, Air Force	2,889,187	–33,700	2,855,487
Space Procurement, Air Force	2,414,383	–67,440	2,346,943
Procurement of Ammunition, Air Force	1,667,961	–65,000	1,602,961
Other Procurement, Air Force	21,342,857	–50,373	21,292,484
Procurement, Defense-Wide	5,114,416	–28,800	5,085,616
Joint Urgent Operational Needs Fund	99,200	–99,200	0
Subtotal, Title I—Procurement	132,343,701	–1,695,782	130,647,919
Title II—Research, Development, Test and Evaluation			
Research, Development, Test & Evaluation, Army	12,192,771	–167,750	12,025,021
Research, Development, Test & Evaluation, Navy	20,270,499	–464,341	19,806,158
Research, Development, Test & Evaluation, Air Force	45,938,121	–1,910,337	44,027,784
Research, Development, Test & Evaluation, Defense- Wide	24,772,953	–136,448	24,636,505
Operational Test & Evaluation, Defense	221,200	0	221,200
Subtotal, Title II—Research, Development, Test and Evaluation	103,395,544	–2,678,876	100,716,668
Title III—Operation and Maintenance			
Operation & Maintenance, Army	42,012,484	–1,846,985	40,165,499
Operation & Maintenance, Army Reserve	3,029,110	–6,516	3,022,594
Operation & Maintenance, Army National Guard	7,629,403	–155,400	7,474,003
Operation & Maintenance, Navy	51,125,751	–1,062,439	50,063,312
Operation & Maintenance, Marine Corps	7,926,724	–96,950	7,829,774
Operation & Maintenance, Navy Reserve	1,125,116	–15,000	1,110,116
Operation & Maintenance, Marine Corps Reserve	292,076	0	292,076
Operation & Maintenance, Air Force	44,910,832	–459,466	44,451,366
Operation & Maintenance, Space Force	72,436	–57,436	15,000
Operation & Maintenance, Air Force Reserve	3,396,818	–57,625	3,339,193

June 10, 2019

SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2020—Continued

(In Thousands of Dollars)

	FY 2020 Request	House Change	House Authorized
Operation & Maintenance, Air National Guard	6,727,229	-130,567	6,596,662
Operation & Maintenance, Defense-Wide	37,479,841	-62,162	37,417,679
US Court of Appeals for the Armed Forces, Defense ...	14,771	0	14,771
DOD Acquisition Workforce Development Fund	400,000	-25,000	375,000
Overseas Humanitarian, Disaster and Civic Aid	108,600	2,200	110,800
Cooperative Threat Reduction	338,700	0	338,700
Environmental Restoration, Army	207,518	28,291	235,809
Environmental Restoration, Navy	335,932	29,951	365,883
Environmental Restoration, Air Force	302,744	63,064	365,808
Environmental Restoration, Defense	9,105	9,897	19,002
Environmental Restoration, Formerly Used Sites	216,499	0	216,499
Subtotal, Title III—Operation and Maintenance	207,661,689	-3,842,143	203,819,546
Title IV—Military Personnel			
Military Personnel Appropriations	143,476,503	-1,228,000	142,248,503
Medicare-Eligible Retiree Health Fund Contributions ...	7,816,815	0	7,816,815
Subtotal, Title IV—Military Personnel	151,293,318	-1,228,000	150,065,318
Title XIV—Other Authorizations			
Working Capital Fund, Army	89,597		89,597
Working Capital Fund, Air Force	92,499		92,499
Working Capital Fund, DECA	995,030		995,030
Working Capital Fund, Defense-Wide	49,085		49,085
Working Capital Fund, Defense Counterintelligence and Security Fund	200,000		200,000
National Defense Sealift Fund	0	723,252	723,252
Chemical Agents & Munitions Destruction	985,499	-10,000	975,499
Drug Interdiction and Counter Drug Activities	799,402	-33,647	765,755
Office of the Inspector General	363,499		363,499
Defense Health Program	32,998,687	-68,000	32,930,687
Subtotal, Title XIV—Other Authorizations	36,573,298	611,605	37,184,903
Total, Division A: Department of Defense Authoriza- tions	631,267,550	-8,833,196	622,434,354
Division B: Military Construction Authorizations			
Military Construction			
Army	1,453,499	-241,500	1,211,999
Navy	2,805,743	-53,172	2,752,571
Air Force	2,179,230	-360,100	1,819,130
Defense-Wide	2,504,190	-478,391	2,025,799
NATO Security Investment Program	144,040	27,965	172,005
Army National Guard	210,819	155,000	365,819
Army Reserve	60,928		60,928
Navy and Marine Corps Reserve	54,955		54,955
Air National Guard	165,971	7,000	172,971
Air Force Reserve	59,750	24,800	84,550
Unaccompanied Housing Improvement Fund	500		500
Subtotal, Military Construction	9,639,625	-918,398	8,721,227

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SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2020—Continued

(In Thousands of Dollars)

	FY 2020 Request	House Change	House Authorized
Family Housing			
Construction, Army	141,372		141,372
Operation & Maintenance, Army	357,907	50,000	407,907
Construction, Navy and Marine Corps	47,661		47,661
Operation & Maintenance, Navy and Marine Corps	317,870	59,600	377,470
Construction, Air Force	103,631		103,631
Operation & Maintenance, Air Force	295,016	31,200	326,216
Operation & Maintenance, Defense-Wide	57,000		57,000
Improvement Fund	3,045		3,045
Subtotal, Family Housing	1,323,502	140,800	1,464,302
Base Realignment and Closure			
Base Realignment and Closure—Army	66,111	30,000	96,111
Base Realignment and Closure—Navy	158,349	60,000	218,349
Base Realignment and Closure—Air Force	54,066	30,000	84,066
Subtotal, Base Realignment and Closure	278,526	120,000	398,526
Undistributed Adjustments			
Prior Year Savings	0	-45,055	-45,055
Subtotal, Base Realignment and Closure	0	-45,055	-45,055
Total, Division B: Military Construction Authoriza- tions	11,241,653	-702,653	10,539,000
Total, 051, Department of Defense-Military	642,509,203	-9,535,849	632,973,354
Division C: Department of Energy National Security Authorization and Other Authorizations			
Function 053, Atomic Energy Defense Activities			
Environmental and Other Defense Activities			
Nuclear Energy	137,808	0	137,808
Weapons Activities	12,408,603	-608,529	11,800,074
Defense Nuclear Nonproliferation	1,993,302	38,285	2,031,587
Naval Reactors	1,648,396	-16,254	1,632,142
Federal Salaries and Expenses	434,699	-24,699	410,000
Defense Environmental Cleanup	5,506,501	78,000	5,584,501
Other Defense Activities	1,035,339	0	1,035,339
Defense Nuclear Waste Disposal	26,000	-26,000	0
Subtotal, Environmental and Other Defense Activi- ties	23,190,648	-559,197	22,631,451
Independent Federal Agency Authorization			
Defense Nuclear Facilities Safety Board	29,450		29,450
Subtotal, Independent Federal Agency Authorization	29,450	0	29,450
Subtotal, 053, Atomic Energy Defense Activities	23,220,098	-559,197	22,660,901

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SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2020—Continued

(In Thousands of Dollars)

	FY 2020 Request	House Change	House Authorized
Function 054, Defense-Related Activities			
Other Agency Authorizations			
Maritime Security Program	300,000		300,000
Subtotal, Independent Federal Agency Authorization	300,000	0	300,000
Subtotal, 054, Defense-Related Activities	300,000	0	300,000
Subtotal, Division C: Department of Energy National Security Authorization and Other Authorizations ..	23,520,098	-559,197	22,960,901
Total, National Defense Funding, Base Budget Request	666,029,301	-10,095,046	655,934,255
National Defense Funding, Overseas Contingency Operations			
Function 051, Department of Defense-Military			
Procurement			
Aircraft Procurement, Army	381,541	-49,450	332,091
Missile Procurement, Army	1,438,058	-23,000	1,415,058
Weapons & Tracked Combat Vehicles, Army	353,454		353,454
Procurement of Ammunition, Army	148,682		148,682
Other Procurement, Army	1,131,450	-50,000	1,081,450
Aircraft Procurement, Navy	119,045	-77,000	42,045
Weapons Procurement, Navy	97,466		97,466
Procurement of Ammunition, Navy & Marine Corps	204,814		204,814
Other Procurement, Navy	357,600		357,600
Procurement, Marine Corps	20,589		20,589
Aircraft Procurement, Air Force	309,110		309,110
Missile Procurement, Air Force	201,671		201,671
Procurement of Ammunition, Air Force	939,433		939,433
Other Procurement, Air Force	3,538,098		3,538,098
Procurement, Defense-Wide	447,047	-3,000	444,047
National Guard & Reserve Equipment		415,000	415,000
Subtotal, Procurement	9,688,058	212,550	9,900,608
Research, Development, Test and Evaluation			
Research, Development, Test & Evaluation, Army	204,124	-8,000	196,124
Research, Development, Test & Evaluation, Navy	164,410		164,410
Research, Development, Test & Evaluation, Air Force	128,248		128,248
Research, Development, Test & Evaluation, Defense-Wide	401,950		401,950
Subtotal, Research, Development, Test and Evaluation	898,732	-8,000	890,732
Operation and Maintenance			
Operation & Maintenance, Army	18,772,938	1,095,000	19,867,938
Operation & Maintenance, Army Reserve	37,592		37,592
Operation & Maintenance, Army National Guard	83,291		83,291

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SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2020—Continued

(In Thousands of Dollars)

	FY 2020 Request	House Change	House Authorized
Afghanistan Security Forces Fund	4,803,978	-300,000	4,503,978
Counter-ISIS Train and Equip Fund	1,045,000	168,000	1,213,000
Operation & Maintenance, Navy	6,561,650	664,375	7,226,025
Operation & Maintenance, Marine Corps	1,124,791		1,124,791
Operation & Maintenance, Navy Reserve	23,036		23,036
Operation & Maintenance, Marine Corps Reserve	8,707		8,707
Operation & Maintenance, Air Force	9,396,379	550,000	9,946,379
Operation & Maintenance, Air Force Reserve	29,758		29,758
Operation & Maintenance, Air National Guard	176,909		176,909
Operation & Maintenance, Defense-Wide	8,368,112	-603,290	7,764,822
Ukraine Security Assistance		250,000	250,000
Subtotal, Operation and Maintenance	50,432,141	1,824,085	52,256,226
Military Personnel			
Military Personnel Appropriations	4,485,808		4,485,808
Subtotal, Military Personnel	4,485,808	0	4,485,808
Other Authorizations			
Working Capital Fund, Army	20,100		20,100
Drug Interdiction and Counter Drug Activities	163,596	-10,496	153,100
Office of the Inspector General	24,254		24,254
Defense Health Program	347,746		347,746
Subtotal, Title XIV—Other Authorizations	555,696	-10,496	545,200
Military Construction			
Army	9,389,218	-9,232,358	156,860
Navy	94,570	187,006	281,576
Air Force	314,738	122,246	436,984
Defense-Wide	46,000		46,000
Subtotal, Military Construction	9,844,526	-8,923,106	921,420
Subtotal, 051, Department of Defense-Military	75,904,961	-6,904,967	68,999,994
Total, National Defense Funding, Overseas Contingency Operations Funding	75,904,961	-6,904,967	68,999,994
Total, National Defense	741,934,262	-17,000,013	724,934,249
MEMORANDUM: NON-DEFENSE AUTHORIZATIONS			
Title XIV—Armed Forces Retirement Home (Function 600)			64,300
Title XXXIV—Naval Petroleum and Oil Shale Reserves (Function 270)			14,000
MEMORANDUM: TRANSFER AUTHORITIES (NON-ADD)			
Title X—General Transfer Authority			[1,000,000]
Title XV—Special Transfer Authority			[500,000]
MEMORANDUM: DEFENSE AUTHORIZATIONS NOT UNDER THE JURISDICTION OF THE ARMED SERVICES COMMITTEE (NON-ADD)			

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SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2020—Continued
(In Thousands of Dollars)

	FY 2020 Request	House Change	House Authorized
Defense Production Act	[34,000]		[34,000]